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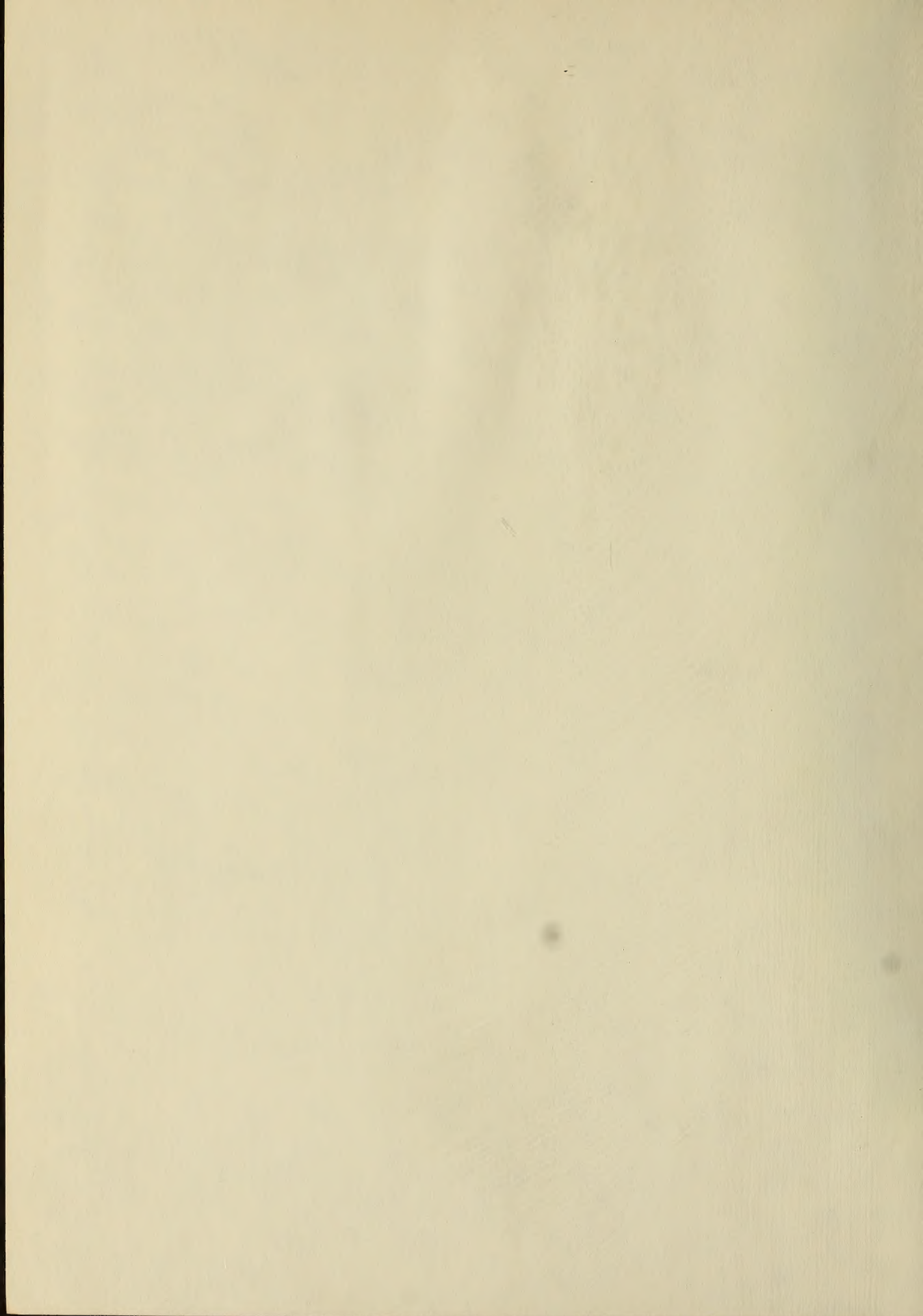


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# Technical Note

No. 18

*Boulder Laboratories*

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RADIO NOISE DATA FOR THE  
INTERNATIONAL GEOPHYSICAL YEAR  
JULY 1, 1957 - DECEMBER 31, 1958

BY W. Q. CRICHLOW, C. A. SAMSON, R. T. DISNEY,  
AND M. A. JENKINS



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U. S. DEPARTMENT OF COMMERCE  
NATIONAL BUREAU OF STANDARDS



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# NATIONAL BUREAU OF STANDARDS

## *Technical Note*

No. 18

July 27, 1959

RADIO NOISE DATA FOR THE INTERNATIONAL GEOPHYSICAL YEAR  
JULY 1, 1957 - DECEMBER 31, 1958

by

W. Q. Crichlow, C. A. Samson, R. T. Disney, M. A. Jenkins

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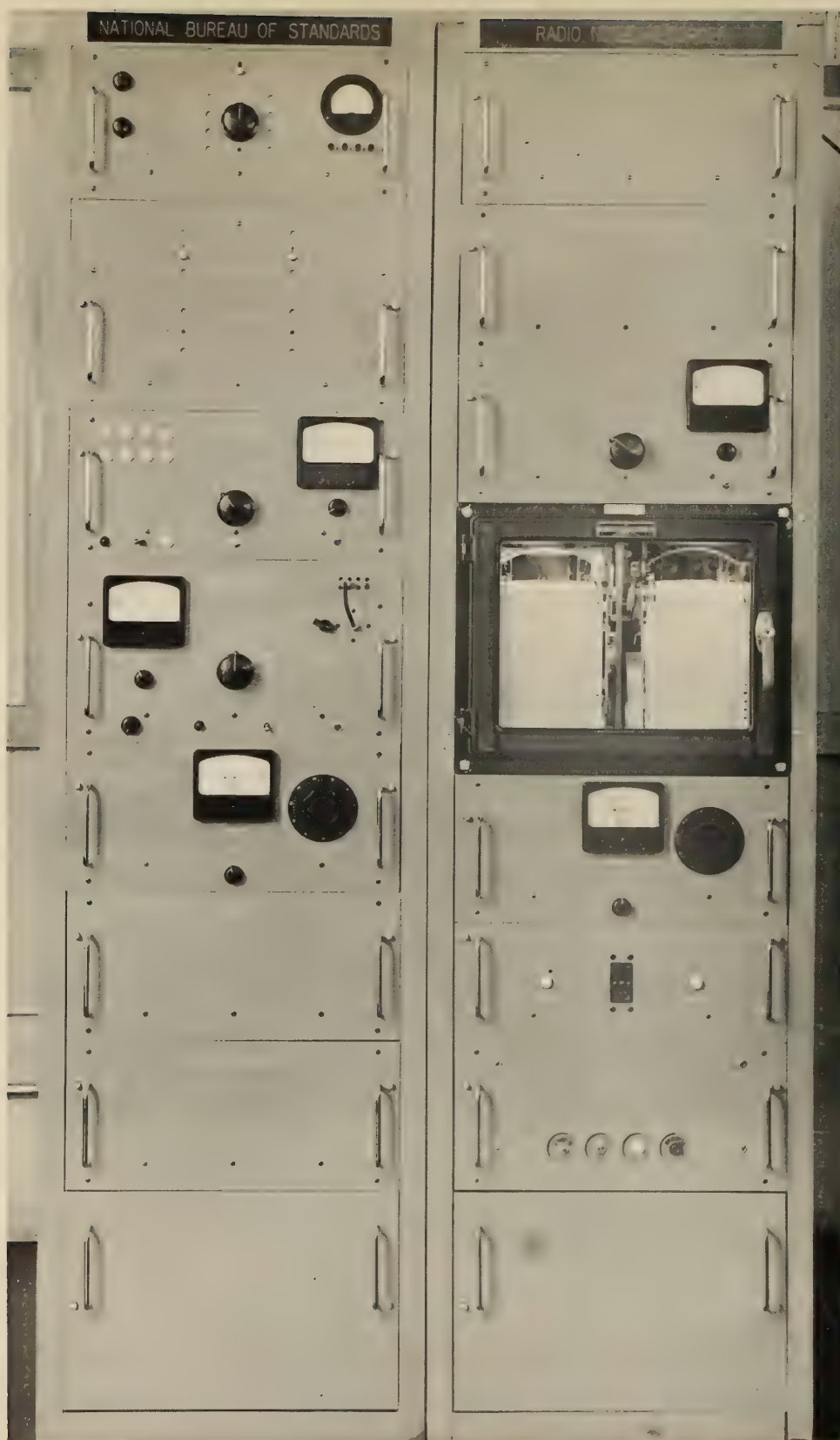
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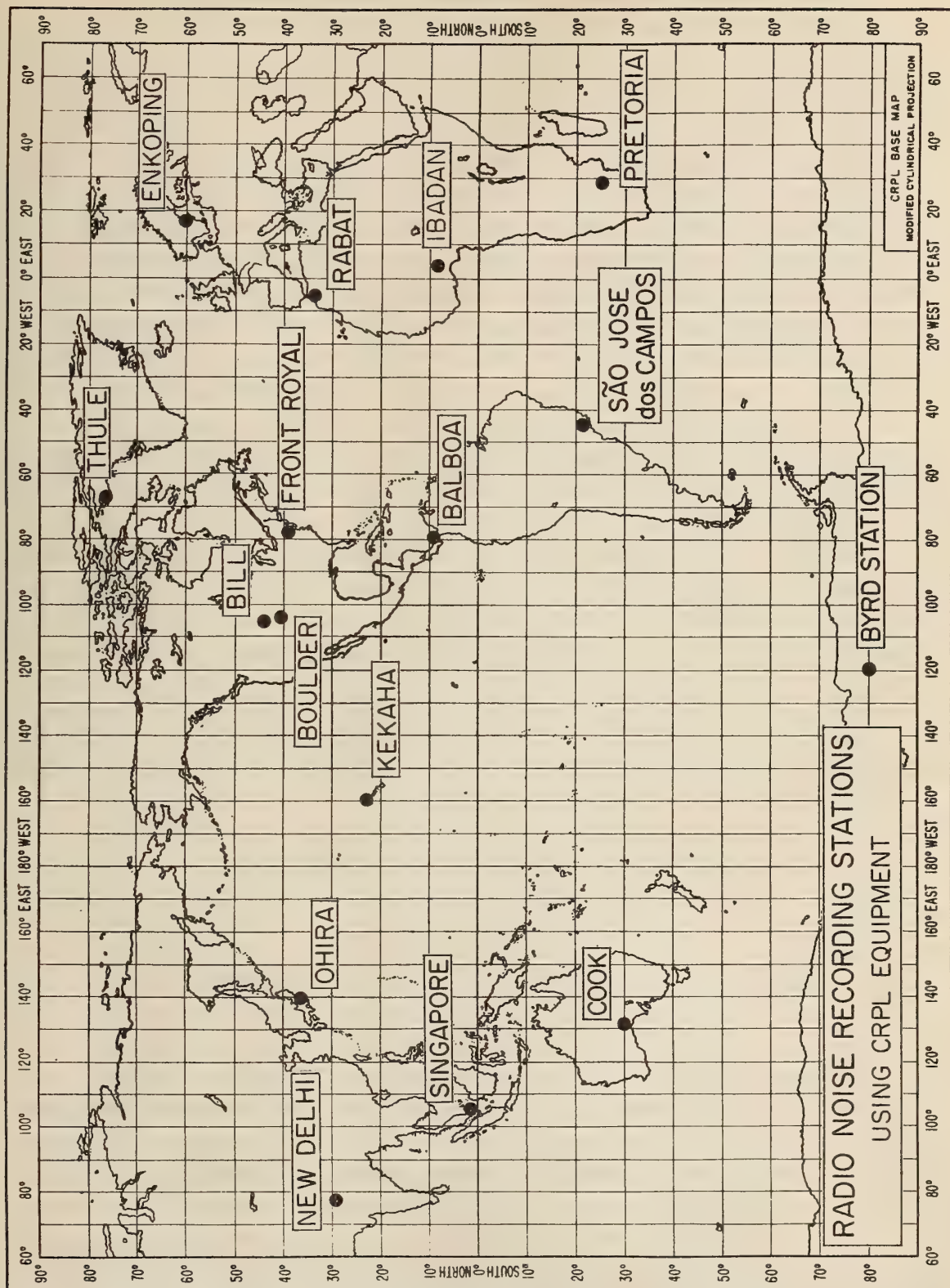


Radio Noise Recording Station

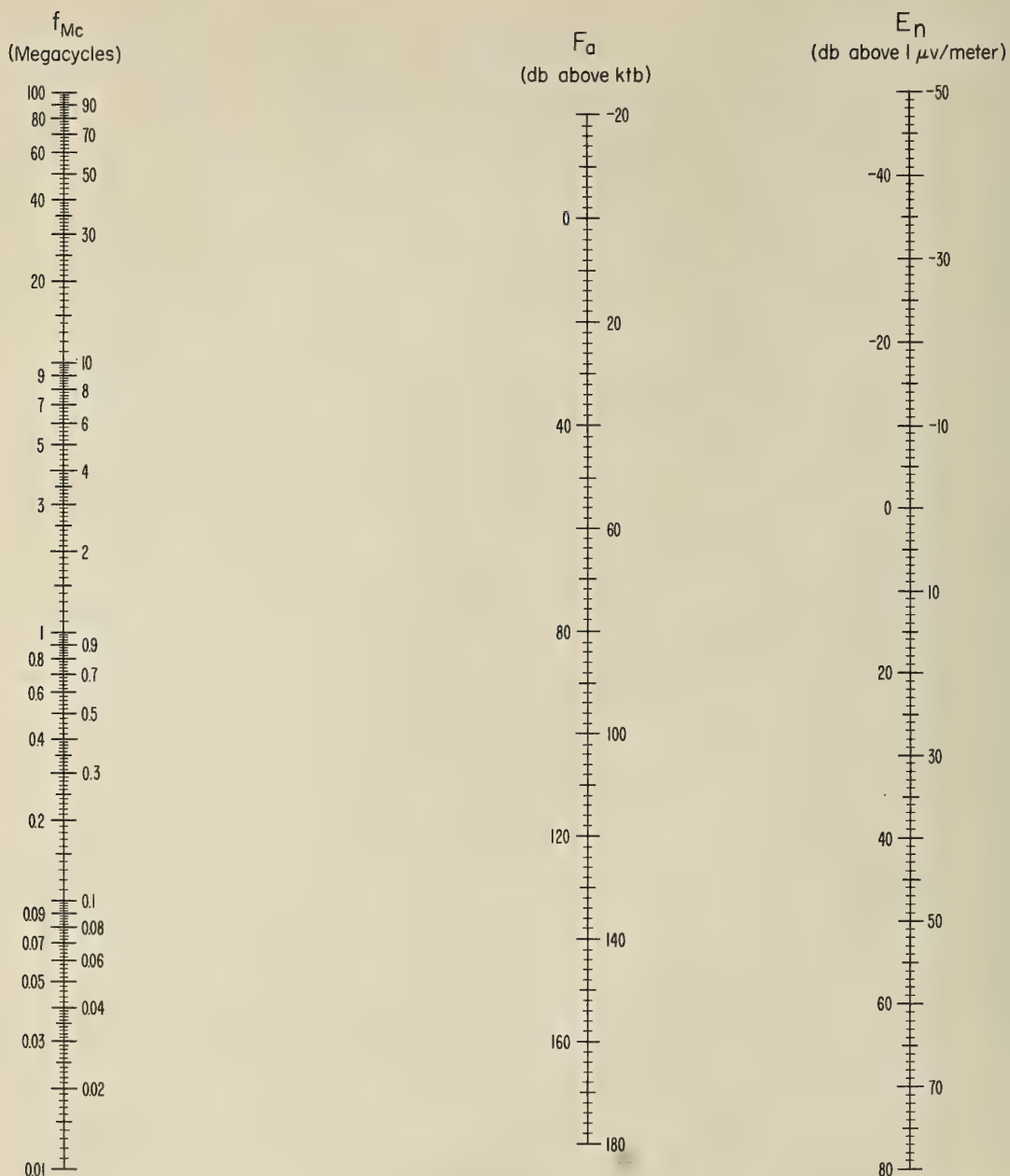


ARN-2 Atmospheric Radio Noise Recorder





# NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

$F_a$  = Effective Antenna Noise Figure = External Noise Power Relative to ktb Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

$E_n$  = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above  $1 \mu v/meter$  for a 1 kc Bandwidth.

$f_{Mc}$  = Frequency in Megacycles.



Radio Noise Data for the International Geophysical Year  
July 1, 1957 - December 31, 1958

by

W. Q. Crichlow, C. A. Samson, R. T. Disney, M. A. Jenkins

During the International Geophysical Year, radio noise measurements were made by a world-wide network supervised by the National Bureau of Standards (see map). The months in which usable data were obtained are shown in Table 1, and the results of the measurements are summarized in the tables that follow. Month-hour data for each station are given first, followed by the seasonal-time-block values. In order to conform to the seasonal pattern used in CCIR Report No. 65\*, the data for June 1957 and January and February 1959 have been included.

The measurements were made with the National Bureau of Standards radio noise recorder, Model ARN-2, which has an effective noise bandwidth of 150 to 300 cycles per second and uses a 21.75 foot vertical antenna and elevated ground plane. Three parameters of the noise are measured: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage; however, it was not possible to equip the entire network for the latter two measurements during the IGY. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure,  $F_a$ .  $F_a$  is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

$k$  = Boltzman's constant ( $1.38 \times 10^{-23}$  joules per degree Kelvin)

$t$  = Absolute room temperature (taken as  $288^\circ$  K)

$b$  = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations,  $V_d$  and  $L_d$ , respectively, in db below the mean power.

A fifteen-minute recording is made on each frequency each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians,  $F_{am}$ ,  $V_{dm}$ , and  $L_{dm}$  are determined from these hourly values for each of the

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\*CCIR Report No. 65, "Report on Revision of Atmospheric Radio Noise Data," Warsaw, 1956 (available from the International Telecommunications Union, Geneva).

corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk (\*). The upper and lower decile values of  $F_a$  are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median,  $F_{am}$ , and are designated by  $D_u$  and  $D_l$ , respectively. Seasonal time-block values are obtained by averaging all month-hour values for the season within a particular four-hour period of the day.

$F_a$  in db is related to the r.m.s. field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

where

$E_n$  = the equivalent vertically polarized ground wave r.m.s. noise field strength in db above  $1 \mu v/\text{meter}$  for a 1 kc bandwidth.

$f_{Mc}$  = the frequency in megacycles.

The nomogram (Fig. 1) may also be used for this conversion.

The values presented in the tables reflect the actual measured levels, and may not always indicate the uncontaminated atmospheric noise levels. Data suspected of being contaminated from man-made noise or station interference have not been deleted, except in a few cases where the interference has been nearly continuous and the source has been positively identified. For example, the 5 Mc records from Ohira and Kekaha are known to have been seriously affected at times by station interference, but are included since some uncertainty exists regarding the source and extent of the interference. Further analyses of the data, in which an attempt will be made to determine the uncontaminated atmospheric noise levels, will be published at a later date.

It was necessary to make some modifications of the standard ARN-2 installation at the Thule and Byrd Station recording sites because of limitations imposed by terrain, climatic conditions, and available housing. There is now some indication that the methods of



determining the antenna losses have not been completely accurate at these two stations, particularly at 10 Mc and 20 Mc. Pending a complete study of the matter, data values tabulated for Thule and Byrd Station must be used with caution.

A fault was found in the antenna system at Pretoria on December 30, 1958 which may have affected the level of the recorded noise intermittently and in varying degrees from about mid-September to December 30, 1958. Although it is believed that the likelihood of error was greatest during December, all data obtained during this period must be considered questionable.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different from universal or Greenwich time.

Standard time at the stations is as follows:

Station	Time Zone	To Convert LST to GMT (hours)
Balboa	75 W	+05
Bill	105 W	+07
Boulder	105 W	+07
Byrd Station	120 W	+08
Cook	135 E	-09
Enkoping	15 E	-01
Front Royal	75 W	+05
Ibadan	GMT	0
Kekaha	150 W	+10
Ohira	135 E	-09
Pretoria	30 E	-02
Rabat	GMT	0
São José dos Campos	45 W	+03
Singapore	105 E	-07
Thule	75 W	+05

Stations in the recording network during the IGY were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U.S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

DSIR(Great Britain) and University College Department of  
Physics (Nigeria) - Ibadan

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) -  
Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnológico de Aeronautica (Brazil) - São José dos  
Campos

Department of Scientific and Industrial Research (Great Britain)  
- Singapore, Malaya

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged.

It is planned to continue the operation of these stations during the International Geophysical Cooperation. An ARN-2 recorder has been purchased by India and will be placed in operation at New Delhi during 1959.

	1957												1958								1959	
	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	
Balboa								X			X	X	X	X	X	X	X	X	X	X	X	
Bill		X			X			X			X	X	X		X	X	X	X	X	X	X	
Boulder	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Byrd Station										X	X	X	X	X	X	X	X	X	X	X	X	
Cook															X	X	X	X	X	X	X	
Enkoping											X	X	X	X	X		X	X			X	
Front Royal						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Ibadan										X	X	X	X	X	X	X	X	X	X	X		
Kekaha											X	X	X	X	X	X	X	X	X	X	X	
Ohira													X	X	X	X	X	X	X	X	X	
Pretoria									X	X	X	X	X	X	X	X	X	X	X	X	X	
Rabat										X	X	X	X				X	X	X	X	X	
São José dos Campos										X	X	X										
Singapore														X	X	X	X	X	X	X	X	
Thule											X	X	X	X	X	X	X	X	X	X	X	

Table 1 - Noise Data Recorded During IGY



# RADIO NOISE DATA

Station BALBOA, C.Z. Lat. 9.0 N Long. 79.5 W Type Recorder ARN-2 Month JANUARY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F <sub>om</sub>	130	130	132	128	131	130	130	122	111	120	113	120	120	123	126	128	126	118	128	124	128	128	128	130
D <sub>u</sub>																	5		3		2		6	
D <sub>ℓ</sub>																	12		9		8		7	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 kc																							
F <sub>om</sub>	114	114	116	112	116	109	103	104	96	92	92	92	95	110	100	98	106	104	103	110	114	114	114	114
D <sub>u</sub>																	8		2		4			
D <sub>ℓ</sub>																	13		9		8			
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 kc																							
F <sub>om</sub>	104	106	104	100	103	99	84	92	80	80	78	73	76	78	88	86	90	81	100	96	104	92	104	93
D <sub>u</sub>																	12		5		2			
D <sub>ℓ</sub>																	9		10		10			
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc																							
F <sub>om</sub>	92	91	92	90	88	88	66	69	62	56	54	55	56	60	66	64	72	69	88	87	90	92	92	92
D <sub>u</sub>																			4					
D <sub>ℓ</sub>																			8					
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mo																							
F <sub>om</sub>	60	58	62	61	59	62	52	58	61	56	56	56	61	58	58	57	59	58	64	56	67	65	66	60
D <sub>u</sub>																		5		5		5		
D <sub>ℓ</sub>																		3		3		3		
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mo																							
F <sub>om</sub>	54	54	54	55	52	56	44	40	36	28	28	20	26	22	26	30	40	46	54	56	58	56	54	54
D <sub>u</sub>																		6		4		4		
D <sub>ℓ</sub>																		8		5		6		
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mo																							
F <sub>om</sub>	42	38	40	36	36	36	36	34	27	20	20	16	16	18	16	26	26	39	40	40	44	39	41	40
D <sub>u</sub>																		5		7				
D <sub>ℓ</sub>																		5		4				
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	Less than 15 observations except where decile values are shown.																							
F <sub>om</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station BALBOA, C.Z. Lat. 9.0N Long. 79.5W Type Recorder ARN-2 Month APRIL 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 ko																							
Fam	128	*126	*125	126	*127	*126	*124	*126	*126	*126	*125	128	128	128	130	128	130	132	131	127	130	130	130	130
Du	12			14								10	12	14	13	20	20	22	13	14	14	13	16	17
Dℓ	4			10								4	4	4	7	5	6	10	7	3	8	6	7	6
Vdm																								
Ldm																								
	113 ko																							
Fam	124	126	*126	*125	*124	*124	*121	*120	*122	*118	*114	118	122	122	124	120	120	123	120	122	124	124	126	124
Du	6	2										10	10	7	10	14	19	14	13	6	3	5	4	8
Dℓ	10	18										8	18	17	18	15	15	17	14	16	10	8	13	8
Vdm																								
Ldm																								
	246 ko																							
Fam	107	*108	*109	*109	*109	*109	*107	*111	*95	*99	*99	95	97	109	109	102	111	109	106	107	109	107	112	111
Du	8											24	23	13	12	24	17	16	11	8	6	10	4	8
Dℓ	10											14	18	18	28	20	26	21	14	12	14	10	12	12
Vdm																								
Ldm																								
	545 ko																							
Fam	90	89	94	88	91	94	90	96	82	91	88	84	92	96	98	96	93	96	90	96	94	94	94	94
Du	8											24	16	16	15	17	17	13	16	9	9	14	10	10
Dℓ	8											20	27	27	26	23	20	28	11	15	15	11	12	14
Vdm																								
Ldm																								
	2.5 Mo																							
Fam	67	67	69	71	71	71	61	59	*59	*59	59	59	61	59	59	61	59	59	61	65	65	65	67	66
Du	5	6	5	4	4	6	8	4			2	4	2	6	10	6	18	16	10	6	8	10	6	6
Dℓ	11	7	7	6	6	6	12	2			8	5	7	8	4	6	2	6	2	4	4	4	7	6
Vdm																								
Ldm																								
	5 Mc																							
Fam	59	61	61	61	61	61	55	49	*43	*39	35	33	35	35	39	35	39	45	53	57	59	59	59	59
Du	4	3	4	5	4	6	6	5			6	11	7	20	18	21	24	19	9	6	8	4	5	4
Dℓ	5	6	5	3	5	6	6	12			8	8	12	8	12	8	8	4	2	4	4	6	7	6
Vdm																								
Ldm																								
	10 Mc																							
Fam	48	48	48	48	48	48	45	44	*36	*32	29	28	28	30	32	36	38	42	44	46	46	48	48	48
Du	4	5	4	4	4	3	5	4			7	8	9	16	8	5	8	8	8	4	4	4	5	4
Dℓ	6	6	5	6	7	9	6	14			6	6	8	10	6	6	4	6	2	4	2	4	4	4
Vdm																								
Ldm																								
	20 Mc																							
Fam	29	29	27	28	24	25	27	*27	*26	23	25	23	23	23	25	27	27	29	29	29	29	31	30	29
Du	6	4	6	4	8	7	5			4	2	6	8	12	9	5	5	8	3	5	4	3	3	4
Dℓ	3	5	3	5	2	3	3			2	6	5	4	2	2	2	2	2	2	2	2	4	3	2
Vdm																								
Ldm																								



# RADIO NOISE DATA

Station BALBOA, C. Z. Lat. 9 N Long. 79.5 W Type Recorder ARN-2 Month MAY 1958

		L S T																							
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
		51 kc +																							
F <sub>am</sub>		143	146	143	143	143	137	140	143		143	135	140	137	137	145	144	141	139	135	137	139	139	139	141
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		113 kc +																							
F <sub>am</sub>		127	130	128	128	129	130	124	132	132	124	120	122	127	126	134	126	124	120	116	120	122	122	124	124
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		245 kc +																							
F <sub>am</sub>		111	114	113	112	112	110	118	118	116	110	110	110	108	106	119	116	108	108	98	104	108	108	110	114
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		545 kc +																							
F <sub>am</sub>		102	100	97	100	97	93	95		103	101	99	99	95	101	105	95	93	93	91	93	97	99	99	97
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		2.5 Mc																							
F <sub>am</sub>		70	70	70	72	72	72	62	60	*58	58	58	60	60	60	62	66	63	60	60	68	69	70	69	68
D <sub>u</sub>		6	6	6	4	6	5	10	8		8	7	6	11	16	18	18	21	16	10	15	4	5	6	9
D <sub>l</sub>		9	9	10	9	8	11	12	6		6	13	9	15	10	12	10	16	10	8	16	15	12	12	16
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		5 Mc																							
F <sub>am</sub>		62	62	64	64	64	62	54	50	48	42	40	38	46	44	52	55	55	54	60	64	64	66	62	62
D <sub>u</sub>		4	8	2	2	2	2	8	10	10	17	22	30	22	25	17	17	14	16	9	6	9	3	7	5
D <sub>l</sub>		4	4	5	4	2	3	4	4	6	7	10	8	16	15	16	13	13	7	6	5	4	6	2	4
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		10 Mc																							
F <sub>am</sub>		49	49	49	49	47	47	43	39	37	35	35	37	37	37	42	41	43	47	47	50	53	57	49	49
D <sub>u</sub>		2	4	2	6	5	3	5	5	6	7	6	12	10	13	13	18	9	15	9	5	6	7	9	4
D <sub>l</sub>		4	3	2	2	2	5	4	0	7	8	11	14	15	13	11	10	13	6	2	5	6	3	2	4
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		20 Mc																							
F <sub>am</sub>		30	28	28	30	28	26	28	*28	28	26	28	26	26	29	34	32	32	31	32	30	30	30	30	31
D <sub>u</sub>		6	6	6	2	3	5	5		4	4	7	8	9	10	7	13	12	15	13	10	8	10	7	6
D <sub>l</sub>		5	4	2	6	4	3	4		6	4	8	6	4	4	8	6	5	5	6	6	5	4	4	5
V <sub>dm</sub>																									
L <sub>dm</sub>																									

# MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, C. Z.

Lat. 20.6 N Long. 79.5 W

Month

June 19 58

Hour (LST)	Frequency (Mc)											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>
00	143 7 13			129 8 2			115 8 6			100 6 13		
01	144 4 13			131 8 4			115 9 6			100 9 6		
02	142 10 6			133 6 6			115 10 6			98 13 11		
03	144 8 7			133 6 6			114 10 6			98 12 11		
04	144 8 16			133 8 8			117 8 8			100 12 12		
05	144 8 8			133 8 8			115 9 10			102 10 20		
06	142 8 14			131 8 13			115 12 14			91 21 15		
07	142 10 8			135 6 18			116 11 17			98 14 18		
08	142 11 14			131 10 14			113 12 18			96 13 22		
09	140 8 10			128 9 15			114 7 18			102		
10	143 5 9			129 8 14			111			97 7 11		
11	137			125			113			96		
12	140 8 10			129 12 6			116 7 11			102 11 17		
13	145			132			115			102		
14	142 8 13			133 8 14			119 9 18			101 11 27		
15	146 10 16			136 9 15			118 10 13			101 12 14		
16	145 7 17			131 8 10			117 8 19			100 8 18		
17	142 9 10			131 4 9			113 7 10			94 12 11		
18	139 10 9			127 6 10			108 13 9			93 11 13		
19	140 8 11			127 8 6			111 9 8			96 7 12		
20	142 6 16			129 7 7			112 9 7			98 8 8		
21	142 6 14			129 4 2			113 7 4			100 5 12		
22	142 4 14			129 4 4			113 10 6			100 4 8		
23	142 7 13			131 7 4			115 6 6			100 9 7		

F<sub>m</sub> = median value of effective antenna noise in db above k1b

D<sub>g</sub> = ratio of upper decile to median in db

V<sub>dm</sub> = ratio of median to lower decile in db

F<sub>m</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month July 19 58

Hour (LST)	Frequency (Mc)																																															
	.051						.113						.246						.545						2.5						5						10						20					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>								
00	147	5	4			133	6	4			119	6	6			104	7	6				73	5	3			64	3	4			50	3	2			30	6	4									
01	147	4	3			135	4	6			117	6	4			103	9	3				74	2	4			64	2	2			50	0	4			30	4	5									
02	149	4	4			135	5	4			119	6	4			104	7	4				74	3	2			64	2	3			50	2	4			28	6	4									
03	149	5	4			135	6	4			119	6	6			104	7	6				74	3	2			64	2	2			50	2	6			28	5	4									
04	149	4	4			135	6	5			118	7	5			103	9	6				74	2	2			64	2	4			48	2	6			28	9	5									
05	147	7	2			135	6	5			118	6	6			102	9	9				74	4	4			64	2	6			46	4	5			26	10	3									
06	147	5	8			135	4	9			117	8	7			104	7	13				68	5	5			58	5	4			44	4	4			28	7	4									
07	147	4	9			133	6	9			117	8	9			104	6	17				64	9	5			54	6	5			42	4	4			30	5	6									
08	147	4	10			133	4	10			117	6	12			102	8	14				64	8	7			52	9	9			40	10	8			28	6	6									
09	145	6	8			133	6	17			117	6	14			102	10	16				62	8	6			50	8	18			40	14	10			26	6	4									
10	145	4	12			133	4	15			115	8	11			102	11	24				62	6	6			48	6	18			38	14	6			26	5	4									
11	146	8	13			130	10	14			115	9	17			101	15	22				62	9	4			44	13	13			38	15	8			26	15	4									
12	143	10	8			131	9	11			116	9	13			98	16	19				60	16	3			44	21	16			42	9	11			26	15	3									
13	143	13	9			131	10	13			115	13	13			98	15	15				64	16	8			46	20	17			40	13	10			30	7	6									
14	145	7	6			133	11	8			118	13	11			107	9	21				64	13	8			50	18	11			44	13	9			34	11	9									
15	147	10	7			135	10	9			120	12	17			106	12	23				72	8	18			58	14	16			48	8	10			35	13	7									
16	147	10	8			135	8	10			118	12	15			103	11	17				65	15	9			53	17	12			48	9	7			32	11	4									
17	145	7	8			133	6	12			117	10	16			102	11	16				66	12	10			54	12	6			46	14	2			32	7	4									
18	144	5	7			129	11	7			113	9	11			99	9	13				66	7	8			60	7	5			48	4	2			32	5	6									
19	143	6	7			128	13	5			112	12	6			100	8	8				72	6	6			62	6	2			50	6	4			30	4	3									
20	143	8	4			131	9	6			114	11	5			100	11	5				74	4	6			64	3	2			50	4	2			30	8	4									
21	143	9	3			129	9	2			115	10	4			102	8	4				74	4	6			64	4	2			50	2	3			30	8	4									
22	145	6	4			131	9	4			117	9	6			102	9	5				72	5	3			64	2	4			50	2	3			30	7	4									
23	146	8	3			133	9	4			117	8	5			102	7	4				73	5	3			62	4	2			50	3	4			30	5	5									

F<sub>am</sub> = median value of effective antenna noise in db above k1b  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>l</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, C. Z.

Lat. 9.0 N Long. 79.5 W

Month August 19 58

Hour (LST)	Frequency (Mc)																																															
	51 kc						113 kc						246 kc						545 kc						2.5 Mc						5 Mc						10 Mc						20 Mc					
	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>						
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>			
00	143	7	3			131	6	6			113	10	7			70	3	6			63	2	3			48	1	3			31	9	2															
01	145	5	5			131	6	6			115	7	8			71	2	6			63	2	2			48	0	3			31	9	5															
02	145	6	4			132	7	7			117	7	9			71	4	4			63	2	2			46	2	1			29	8	4															
03	145	6	4			133	6	6			117	7	9			73	2	4			63	2	2			46	2	1			29	8	4															
04	145	8	4			133	7	8			114	10	9			73	3	4			63	4	0			46	2	2			27	10	4															
05	147	4	6			133	6	6			115	8	10			71	6	4			63	2	2			44	3	2			27	9	4															
06	145	7	6			135	4	13			116	7	13			65	6	9			57	3	4			42	2	2			29	9	4															
07	143	8	7			132	7	11			114	11	10			59	10	5			51	7	8			38	4	4			31	12	4															
08	143	8	6			129	10	10			110	14	15			59	10	2			49	10	14			34	8	5			31	12	6															
09	143	8	10			129	10	14			112	12	20			59	10	2			43	14	14			32	12	6			31	12	6															
10	141	8	8			129	8	14			114	10	18			61	10	4			42	17	19			32	12	12			29	12	4															
11	140	10	8			126	9	15			112	13	16			59	12	3			38	20	17			32	10	10			31	10	6															
12	141	10	8			129	10	13			115	10	16			61	16	6			47	16	25			32	10	12			33	14	8															
13	143	10	8			129	12	10			112	16	16			63	20	8			43	26	18			32	10	6			34	9	7															
14	143	8	4			131	10	10			116	10	14			64	13	7			47	24	18			38	10	8			34	11	5															
15	145	8	6			133	8	10			118	8	14			63	16	6			51	16	20			38	10	8			35	8	6															
16	145	4	6			131	8	11			112	9	12			62	11	5			50	13	15			39	6	3			33	10	2															
17	141	9	2			127	10	8			108	17	9			59	12	4			50	10	7			44	3	4			33	11	2															
18	141	9	2			127	10	10			110	12	12			61	10	4			57	10	3			46	4	2			33	11	2															
19	139	10	2			127	8	6			110	14	8			67	8	5			63	2	3			48	2	2			35	8	4															
20	143	7	6			129	9	7			111	13	7			69	5	2			63	3	2			48	0	2			33	12	6															
21	142	7	3			129	7	5			112	9	6			69	4	4			63	3	4			48	0	2			33	8	4															
22	143	4	5			131	7	7			112	9	8			69	4	6			61	4	0			46	3	0			33	8	4															
23	143	8	5			131	7	6			112	11	5			69	6	4			63	2	2			48	1	2			32	8	5															

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>l</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

Hour (LST)	Frequency (Mc)																																
	51 kc			113 kc			246 kc			545 kc			2.5 Mc			5 Mc			10 Mc			20 Mc											
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>									
00	145	6	4				101	2	10				71	4	4				62	4	1				48	3	2				35	4	6
01	149	4	8				101	6	10				71	5	3				62	5	2				48	2	2				31	5	4
02	149	3	8				99	6	6				72	5	3				63	5	3				46	3	3				29	7	6
03	149	3	7				99	8	6				73	4	5				62	4	2				44	6	4				27	9	4
04	149	4	8				99	6	8				73	5	4				62	5	2				46	2	7				27	10	4
05	149	4	9				99	8	6				73	4	4				62	4	4				44	4	6				27	10	4
06	147	6	6				101	4	8				66	5	6				56	4	4				42	2	2				31	7	4
07	147	5	8				99	6	17				63	5	5				53	6	8				42	3	4				33	8	6
08	149	10	12				99	6	19				61	6	4				48	10	12				36	10	4				32	7	5
09	147	7	14				97	8	24				63	5	6				42	12	10				34	8	10				29	8	4
10	143	8	10				97	6	24				61	6	4				42	12	15				31	7	11				27	8	2
11	141	12	8				93	14	21				61	10	4				40	20	16				28	16	6				26	15	3
12	140	14	3				95	18	17				61	18	4				39	29	17				32	22	12				31	14	6
13	143	12	8				97	12	14				65	20	10				50	18	24				37	13	11				35	4	8
14	147	6	8				103	11	21				64	17	7				52	16	16				38	16	9				36	13	7
15	147	10	13				101	8	18				68	17	9				54	14	18				40	10	8				35	6	4
16	145	8	6				97	8	17				63	14	6				46	15	7				41	4	6				35	6	2
17	145	6	6				93	13	14				61	9	4				52	10	8				44	4	3				35	6	4
18	143	8	5				91	14	4				63	13	6				60	4	4				48	2	2				33	7	1
19	143	12	4				95	12	6				69	7	6				62	4	3				48	3	2				35	6	4
20	143	10	2				95	10	4				69	6	4				62	3	3				48	2	2				33	9	2
21	145	6	4				97	6	6				69	5	4				62	2	4				48	0	2				35	3	4
22	145	6	6				97	6	4				69	7	4				62	3	2				48	2	2				35	7	4
23	145	6	6				97	6	6				69	7	3				62	3	2				48	2	2				33	8	2

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, C. Z.

Lat. 9.0 N Long. 79.5 W

Month October 19 58

Hour (LST)	Frequency (Mc)											
	51 kc			113 kc			246 kc			545 kc		
	Fam	Du	D <sub>g</sub> Vdm Ldm	Fam	Du	D <sub>g</sub> Vdm Ldm	Fam	Du	D <sub>g</sub> Vdm Ldm	Fam	Du	D <sub>g</sub> Vdm Ldm
00	143 5 5		128 8 4				112 8 6			71 2 12		
01	143 6 5		128 6 3				112 6 6			71 3 8		
02	143 7 3		130 7 5				112 8 3			71 4 6		
03	143 6 4		129 5 6				112 6 6			71 4 5		
04	143 5 6		129 7 4				110 8 4			71 4 8		
05	143 6 5		128 6 6				110 10 9			71 3 8		
06	139 8 7		126 9 13				106 10 14			59 7 11		
07	137 9 7		124 8 14				106 10 19			57 4 2		
08	135 8 8		116 14 10				97 15 17			59 4 6		
09	133 10 8		116 16 10				94 20 10			57 4 4		
10	131 8 8		121 8 17				98 16 18			57 4 4		
11	135 4 6		122 4 14				99 17 17			58 1 3		
12	135 8 4		121 11 11				100 18 14			59 2 4		
13	137 11 3		122 12 10				108 12 11			59 7 4		
14	141 14 6		128 14 14				110 16 11			61 22 4		
15	141 14 6		126 16 6				110 16 13			63 20 8		
16	139 14 5		124 14 7				106 18 10			59 18 4		
17	137 15 2		122 17 6				100 25 4			57 22 4		
18	139 10 4		124 12 4				108 11 6			63 10 5		
19	141 8 6		125 9 3				110 7 4			67 11 6		
20	141 7 2		126 8 3				112 8 5			67 4 6		
21	143 4 6		128 7 5				112 8 5			66 6 4		
22	143 5 6		128 8 6				112 8 5			66 5 5		
23	143 5 4		129 6 5				112 10 4			69 4 8		

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

LETTERHEAD

RN-13

# MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, C. Z.

Lat. 9.0 N Long. 79.5 W

Month November 19 58

Hour (LST)	Frequency																																								
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc					
	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
00	138	5	8	11.5	21.5	12.5	6	8	11.0	17.0	10.9	7	6	9.5	18.0							66	2	8	6.5	12.0	5.9	2	5	5.5	11.0	4.3	4	2	6.0	10.5	2.7	3	3	3.5	7.5
01	139	7	8	11.5	22.0	12.5	7	8	11.0	16.5	10.9	7	6	9.5	17.5							66	4	7	8.0	14.0	5.9	3	4	6.5	10.5	4.3	4	6	8.0	12.0	2.5	4	2	3.0	5.5
02	139	6	8	15.0	23.0	12.7	4	10	13.0	20.5	11.1	4	9	10.5	19.0							66	4	7	7.5	14.0	5.7	4	2	6.0	10.5	4.1	2	5	6.0	9.5	2.5	4	2	2.5	5.0
03	139	8	6	14.0	23.5	12.6	8	8	12.0	19.5	11.1	7	6	10.0	18.0							66	4	6	6.5	12.5	5.7	4	3	6.5	10.5	3.7	6	5	6.0	9.5	2.5	3	2	3.0	4.5
04	141	6	10	15.5	24.5	12.7	6	9	11.5	20.5	10.9	8	6	12.5	22.0							66	4	7	8.0	13.5	5.7	3	4	6.5	11.0	3.7	4	5	6.0	9.5	2.5	2	2	1.5	3.5
05	139	6	11	16.0	24.5	12.2	11	4	13.5	20.0	10.6	9	7	15.0	22.5							64	6	9	8.5	14.5	5.7	4	4	7.0	12.0	3.9	3	6	6.0	9.5	2.5	2	2	2.5	4.5
06	134	11	9	16.5	26.5	11.7	14	15	18.0	28.0	9.6	16	22	15.5	28.5							55	9	7	11.5	19.0	5.3	4	6	7.0	11.5	3.9	6	4	6.5	10.5	2.7	6	2	4.0	6.0
07	129	17	9	18.0	26.5	10.9	19	19	20.0	30.0	8.3	31	15	18.5	28.5							54	7	18	6.0	10.0	4.1	9	10	10.0	14.5	3.5	8	6	8.0	12.5	2.9	4	4	6.0	9.0
08	127	16	10	18.0	27.5	10.3	24	10	18.0	28.0	8.3	29	13	11.0	17.0							52	8	20	5.5	11.0	3.3	14	8	11.5	16.5	2.7	10	8	7.0	14.0	2.7	4	4	3.5	6.5
09	122	14	7	16.0	25.5	10.3	26	16	15.0	21.0	7.7	30	6	10.5	16.5							47	9	17	6.0	14.0	2.5	23	6	6.5	9.5	2.1	14	6	7.0	10.5	2.5	4	4	5.0	7.5
10	125	18	8	18.5	28.5	10.3	30	12	16.0	26.0	8.1	36	10	15.5	22.5							50	10	18	6.0	12.0	2.2	25	5	10.0	14.0	1.7	20	6	10.0	11.5	2.3	6	2	5.0	8.0
11	126	17	7	17.0	26.0	10.3	26	10	18.5	27.5	8.1	32	8	10.5	18.0							54	6	24	6.0	11.0	2.1	24	4	7.5	10.0	2.1	13	7	7.5	10.5	2.3	6	2	5.0	8.5
12	129	13	5	13.5	21.5	10.9	20	14	14.5	26.5	8.9	28	12	11.0	17.0							51	9	19	6.0	10.5	2.2	30	5	4.0	6.0	2.4	11	8	8.0	12.0	2.7	4	4	6.0	10.0
13	128	12	8	12.5	20.5	11.5	18	14	16.0	25.5	9.3	24	12	14.0	25.0							54	14	26	6.0	11.5	2.7	32	8	7.0	10.0	2.9	8	10	7.5	11.5	2.9	5	5	5.5	8.5
14	136	11	11	14.5	23.5	11.9	18	9	16.0	26.0	10.1	20	22	17.5	30.0							56	12	24	6.0	10.5	3.4	24	16	8.5	13.0	3.5	10	12	7.0	11.0	3.1	4	4	4.5	8.5
15	135	14	12	15.0	24.5	12.3	12	20	17.5	28.0	10.2	17	21	19.0	28.0							56	14	24	6.5	14.0	4.1	18	16	9.0	14.5	3.5	10	8	7.5	11.5	3.1	4	4	4.0	8.0
16	135	8	9	14.5	22.5	11.9	14	15	15.5	24.5	9.7	22	12	16.0	25.5							56	8	22	4.5	9.0	4.3	14	6	7.0	11.0	4.1	11	7	6.0	10.5	3.1	6	4	4.0	6.0
17	133	10	10	13.5	20.0	11.7	11	15	17.0	26.0	9.7	19	14	17.0	26.0							54	7	18	6.0	10.5	5.5	3	8	7.0	11.5	4.3	5	4	6.0	9.5	3.1	4	3	4.0	6.0
18	131	8	10	12.5	20.0	11.7	10	9	10.5	17.0	10.3	11	9	8.5	18.0							59	6	8	6.0	9.5	6.1	4	5	4.0	9.5	4.5	2	4	5.0	8.5	2.9	4	2	4.0	7.0
19	134	7	8	12.0	19.0	11.9	10	8	9.0	15.5	10.4	9	9	8.5	16.0							62	6	7	6.0	10.0	5.9	3	4	6.0	10.0	4.5	2	5	5.5	8.0	2.9	3	2	4.0	7.5
20	135	8	6	12.5	20.0	12.0	9	9	9.0	15.0	10.5	8	9	8.0	16.0							61	8	6	6.5	10.0	5.9	2	3	7.5	11.5	4.3	3	2	6.0	9.0	2.9	2	3	4.0	7.0
21	135	6	11	11.5	22.0	12.1	7	7	10.0	16.5	10.7	6	8	8.0	15.5							61	7	6	6.0	9.5	6.0	4	5	7.5	11.5	4.3	4	4	6.0	9.0	2.9	2	3	4.0	6.0
22	135	6	12	12.0	20.5	12.3	5	12	12.0	17.5	10.7	6	9	9.5	16.0							61	7	7	6.5	11.0	5.7	4	4	6.0	10.0	4.3	4	4	6.0	9.5	2.7	4	2	4.0	6.5
23	135	6	8	12.5	21.0	12.2	8	8	10.5	17.5	10.8	5	8	8.5	15.5							62	6	7	6.5	11.5	5.7	4	4	6.0	9.5	4.3	4	4	6.0	10.5	2.7	4	2	4.5	7.0

F<sub>m</sub> = median value of effective antenna noise in db above ktb  
D<sub>g</sub> = ratio of upper decile to median in db  
V<sub>dm</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power







# MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W

Month January 19 59

Hour (LST)	Frequency																																	
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc					
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>		
00	128	4	5	95	180	111	6	4	50	85	99	4	5	75	145																			
01	128	5	5	100	180	111	6	3	50	75	99	4	6	70	130																			
02	128	5	5	85	150	111	6	3	60	85	97	6	5	75	135																			
03	128	4	4	85	175	111	6	3	60	85	97	6	5	70	130																			
04	128	6	4	105	180	111	6	4	80	120	97	6	10	105	200																			
05	128	3	5	95	155	109	6	4	80	125	92	9	9	110	185																			
06	124	9	3	100	165	99	12	8	160	245	79	13	8	160	240																			
07	120	5	3	115	190	91	10	8	100	150	71	10	2	85	140																			
08	114	6	6	130	215	87	8	6	90	150	75	8	6	90	140																			
09	113	7	5	155	240	89	6	6	65	120	73	4	4	80	130																			
10	113	11	7	160	260	88	11	9	70	130	71	6	2	85	120																			
11	115	7	7	160	255	89	8	8	65	120	71	7	2	80	125																			
12	120	8	10	135	220	92	9	13	100	160	71	8	2	80	140																			
13	122	6	6	120	200	92	9	13	75	120	73	8	4	75	130																			
14	122	6	4	100	180	94	9	9	80	125	75	5	4	80	125																			
15	124	4	8	100	170	92	10	7	70	130	75	11	4	80	140																			
16	122	5	8	105	185	93	8	8	80	125	75	13	4	85	140																			
17	120	5	10	115	195	95	9	6	90	150	79	9	6	95	145																			
18	120	5	6	125	205	103	7	5	55	95	93	6	5	90	160																			
19	124	5	6	115	195	109	4	4	60	100	95	6	4	85	160																			
20	126	6	6	110	190	109	6	4	40	65	95	6	6	85	160																			
21	126	7	4	105	180	109	6	2	45	75	97	4	7	95	175																			
22	126	5	4	100	180	111	3	6	55	75	96	7	3	85	160																			
23	127	3	5	100	180	111	4	6	70	100	98	4	4	90	150																			

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>g</sub> = ratio of upper decile to median in db

V<sub>dm</sub> = ratio of median to lower decile in db

L<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone

Lat. 9.0 N Long. 79.5 W

Month February 19 59

Hour (LST)	Frequency																																
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc				
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
00	124	6	4	11.0	200	111	6	4	5.5	8.5	97	10	8	8.0	14.0																		
01	124	7	4	11.0	195	111	8	4	6.0	8.0	96	11	7	9.5	15.0																		
02	125	7	4	11.0	185	113	6	6	6.0	9.0	97	10	8	8.0	14.0																		
03	126	7	6	11.5	200	112	8	7	5.5	7.5	97	10	9	8.0	15.0																		
04	126	9	6	11.0	190	111	11	6	7.5	9.0	97	10	15	10.0	15.5																		
05	126	9	6	11.5	195	111	12	6	4.5	7.0	93	14	20	12.0	20.5																		
06	124	10	2	11.5	185	100	16	8	13.5	20.0	80	23	11	8.5	13.5																		
07	119	9	3	12.5	210	93	22	8	9.0	16.0	75	24	6	8.5	12.5																		
08	112	14	6	13.5	210	95	18	10	7.5	11.5	76	28	7	10.0	14.5																		
09	113	17	13	15.0	210	97	18	10	6.5	10.0	81	15	10	9.0	14.5																		
10	114	13	10	16.5	255	95	18	8	7.0	12.0	76	18	5	8.0	13.0																		
11	116	12	8	13.0	230	95	16	6	8.5	14.0	75	14	4	7.0	11.0																		
12	116	10	4	14.5	210	95	12	8	8.0	14.0	74	16	3	7.5	13.0																		
13	120	10	4	10.5	185	95	18	6	8.0	13.5	75	18	4	8.5	13.5																		
14	122	8	6	10.5	175	99	14	8	8.5	14.0	77	16	4	9.0	14.0																		
15	122	8	4	10.0	170	99	10	8	9.0	14.0	79	13	6	8.0	14.0																		
16	122	6	6	10.0	175	100	7	11	9.0	15.0	82	10	9	11.0	18.5																		
17	122	4	8	10.5	18.0	99	7	12	10.5	16.5	81	13	9	10.5	19.0																		
18	120	6	8	13.0	210	105	8	10	11.0	15.5	93	8	7	10.0	17.0																		
19	124	8	7	10.0	16.5	111	7	7	7.5	12.5	97	8	8	9.5	17.5																		
20	126	4	8	9.0	16.0	111	7	7	6.0	11.5	98	7	8	10.0	15.5																		
21	125	7	8	11.5	185	111	7	6	6.0	12.0	97	10	9	8.5	15.5																		
22	126	8	10	10.0	175	112	8	8	6.5	10.5	98	10	10	6.5	12.5																		
23	126	5	8	10.5	18.0	111	9	6	6.0	9.5	98	9	8	8.0	14.5																		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>g</sub> = ratio of upper decile to median in db

V<sub>dm</sub> = ratio of median to lower decile in db

L<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# RADIO NOISE DATA

Station Bill, Wyoming Lat. 43.2° N Long. 105.2° W Type Recorder ARN-2 Month July 19 57

Local Mean Time																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51kc																							
F <sub>am</sub>	*143	*142	*141	*141	*137	*136	*135	*133	*132	*127	*131	*135	*139	*142	*142	*142	143	*143	143	145	145	145	145	143
D <sub>u</sub>																	10		8	4	4	4	2	4
D <sub>ℓ</sub>																	6		8	12	10	8	8	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113kc																							
F <sub>am</sub>	*127	*126	*126	*123	*119	*115	*113	*110	*109	*103	*111	*121	*119	*123	*124	125	125	*128	127	129	127	129	127	127
D <sub>u</sub>																10	12		10	8	8	4	4	4
D <sub>ℓ</sub>																12	12		12	12	6	8	8	10
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246kc																							
F <sub>am</sub>	*112	*110	*109	*104	*100	*98	*92	*92	*91	*84	*96	*94	*109	*113	*112	114	112	*114	112	*116	114	112	112	112
D <sub>u</sub>																8	12		12		8	8	4	4
D <sub>ℓ</sub>																20	22		20		10	6	8	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545kc																							
F <sub>am</sub>	*92	*90	*90	*80	*66	*68	*68	*66	*68	*68	*74	*84	*96	*92	*98	*98	*97	*96	*96	*94	*92	*90	*93	*94
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5Mc																							
F <sub>am</sub>	73	74	72	72	60	42	34	24	21	*21	*26	*36	*55	*61	*58	63	61	59	57	61	69	71	71	71
D <sub>u</sub>	4	3	7	5	7	16	14	9	10							14	15	8	17	13	4	6	6	6
D <sub>ℓ</sub>	7	11	7	9	9	15	12	5	4							38	40	28	17	12	10	8	8	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5Mc																							
F <sub>am</sub>	66	66	64	64	58	50	42	32	26	*23	*24	*31	*40	*40	*44	47	48	52	54	60	66	66	66	66
D <sub>u</sub>	4	4	6	4	2	4	6	10	12							13	8	4	8	2	2	4	4	4
D <sub>ℓ</sub>	4	4	4	6	6	15	16	10	6							23	28	18	14	10	8	4	4	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10Mc																							
F <sub>am</sub>	49	48	46	45	44	45	41	37	*33	*29	*33	*30	*37	*37	39	41	41	45	47	51	53	53	51	51
D <sub>u</sub>	6	5	7	4	5	4	6	4							8	6	6	5	4	2	2	2	4	5
D <sub>ℓ</sub>	6	4	3	2	3	8	10	8							10	8	4	6	4	5	6	4	7	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20Mc																							
F <sub>am</sub>	27	28	27	28	27	28	28	28	*27	*26	*26	*26	*28	*27	28	28	28	30	33	31	30	28	27	28
D <sub>u</sub>	4	3	4	3	4	6	6	5							6	6	7	6	3	3	4	4	5	5
D <sub>ℓ</sub>	3	4	3	4	3	4	3	4							3	4	3	5	8	6	4	3	3	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								

Table 1

GPO 845918

RN-1



# RADIO NOISE DATA

Station Bill, Wyoming Lat. 43.2° N Long. 105.2° W Type Recorder ARN-2 Month October 1957

Local Mean Time																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51kc																							
F <sub>am</sub>	130	131	130	129	128	126	123	119	115	117	116	118	119	120	122	125	126	128	128	130	130	130	128	128
D <sub>u</sub>	7	7	8	7	6	8	9	11	13	10	14	12	13	9	8	7	7	8	7	6	8	9	9	9
D <sub>ℓ</sub>	8	8	8	7	6	8	8	9	7	14	14	12	15	14	15	16	15	5	10	9	9	8	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113kc																							
F <sub>am</sub>	114	114	113	115	111	108	101	94	89	87	90	90	97	94	104	105	106	108	112	114	114	114	112	112
D <sub>u</sub>	8	8	7	5	7	8	10	14	16	19	18	18	13	16	8	17	8	9	9	6	8	9	10	10
D <sub>ℓ</sub>	9	8	11	12	13	13	12	14	13	11	10	12	19	16	25	11	17	13	9	11	10	10	8	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246kc																							
F <sub>am</sub>	100	99	97	97	96	86	79	74	74	74	75	74	76	76	82	82	84	90	96	98	98	96	96	98
D <sub>u</sub>	6	6	9	7	8	15	9	12	10	10	7	8	12	12	9	20	20	11	10	8	11	11	12	11
D <sub>ℓ</sub>	13	10	11	13	17	10	9	3	2	2	3	2	4	4	10	10	10	10	9	13	10	6	9	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545kc																							
F <sub>am</sub>	86	86	85	82	85	74	71	66	70	70	64	70	68	66	68	72	70	78	84	86	88	88	88	88
D <sub>u</sub>	6	4	5	8	5	9	4	1	2	2	11	4	10	6	6	14	15	10	9	6	9	7	7	8
D <sub>ℓ</sub>	7	6	8	9	8	10	3	2	4	4	2	4	4	4	4	3	4	9	6	7	10	9	9	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5Mc																							
F <sub>am</sub>	56	56	58	56	58	56	40	32	26	27	24	26	26	28	26	27	36	46	54	58	56	59	57	57
D <sub>u</sub>	8	14	12	10	6	6	12	10	8	5	9	7	8	4	8	20	17	10	10	8	8	9	9	11
D <sub>ℓ</sub>	6	10	10	10	16	14	6	10	6	7	4	6	6	8	6	7	15	12	8	8	4	7	5	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5Mc																							
F <sub>am</sub>	56	56	54	56	54	54	44	30	28	*26	26	26	24	24	28	30	38	46	52	53	54	54	54	55
D <sub>u</sub>	6	6	8	6	6	6	6	8	6		6	6	8	8	6	8	10	10	8	7	6	6	8	7
D <sub>ℓ</sub>	10	8	6	8	6	8	2	2	10		9	12	10	10	12	16	6	4	8	5	8	8	8	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10Mc																							
F <sub>am</sub>	42	42	42	42	40	38	38	34	30	*26	24	25	25	26	32	36	40	42	43	44	44	44	44	44
D <sub>u</sub>	2	4	4	4	4	6	6	4	5		10	9	9	10	6	6	4	4	7	4	2	2	2	2
D <sub>ℓ</sub>	0	0	2	4	2	2	2	4	5		2	4	4	4	6	8	4	2	3	4	4	4	2	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20Mc																							
F <sub>am</sub>	23	23	23	23	23	25	27	29	27	27	27	27	27	27	29	29	31	31	29	27	27	25	25	23
D <sub>u</sub>	2	2	2	2	2	2	4	2	4	2	4	18	12	6	4	2	2	4	6	4	2	2	0	2
D <sub>ℓ</sub>	2	2	2	2	2	2	4	4	2	4	4	4	2	4	2	2	2	2	0	2	2	2	2	0
V <sub>dm</sub>																								
L <sub>dm</sub>																								

Table 2

GPO 845918

RN-1

# RADIO NOISE DATA

Station BILL, WYOMING Lat. 43.2N Long. 106.2W Type Recorder ARN-2 Month JANUARY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F <sub>am</sub>	121	121	121	122	123	121	121	119	112	103	*99	101	99	101	106	104	104	108	115	117	119	119	119	119
D <sub>u</sub>	6	10	6	3	4	6	2	6	7	16		13	16	14	6	10	9	7	5	6	6	7	8	8
D <sub>ℓ</sub>	4	4	2	3	6	4	4	4	5	4		6	4	6	12	11	8	7	9	8	12	8	10	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 kc																							
F <sub>am</sub>	99	98	98	100	100	97	94	88	78	76	78	78	76	76	78	82	85	92	94	96	98	92	100	98
D <sub>u</sub>	13	12	10	6	4	8	8	6	11	19	10	10	12	12	8	6	8	6	11	12	6	16	8	12
D <sub>ℓ</sub>	5	4	2	6	6	5	4	4	4	2	4	4	2	2	2	6	2	5	4	4	6	0	6	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 kc																							
F <sub>am</sub>	78	79	81	80	80	77	76	72	72	*72	72	72	70	70	71	72	72	73	74	76	78	78	80	80
D <sub>u</sub>	18	15	9	10	15	9	6	4	6		4	2	8	8	4	1	5	9	13	16	14	16	14	16
D <sub>ℓ</sub>	2	5	7	6	8	5	6	2	2		4	2	0	0	1	2	2	3	3	4	6	6	8	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc																							
F <sub>am</sub>	75	74	72	72	76	79	76	66	70	*70	66	70	72	68	66	72	72	72	74	77	80	84	84	76
D <sub>u</sub>	11	12	8	10	11	5	6	6	4		4	0	2	4	5	4	2	6	6	7	8	8	6	10
D <sub>ℓ</sub>	7	8	8	8	11	7	4	2	6		2	5	2	6	2	4	6	4	4	5	6	4	8	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc																							
F <sub>am</sub>	48	48	46	48	46	44	44	34	22	20	*20	20	20	20	20	20	23	30	38	43	46	46	46	46
D <sub>u</sub>	12	14	12	6	8	8	10	12	8	4		0	0	0	2	4	9	12	12	9	10	12	14	12
D <sub>ℓ</sub>	8	8	6	6	6	4	6	0	2	0		0	0	0	0	0	3	2	4	9	6	6	6	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	52	50	51	52	51	48	48	46	29	22	*17	16	16	16	18	22	32	42	46	48	48	48	48	50
D <sub>u</sub>	8	10	5	6	5	8	8	4	7	8		4	2	4	4	4	8	7	5	7	6	8	8	8
D <sub>ℓ</sub>	4	2	3	4	5	2	4	6	5	6		2	2	2	4	6	4	4	4	6	4	4	2	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>	43	42	43	41	39	39	37	37	33	*27	25	21	23	25	29	33	38	41	41	41	43	43	41	43
D <sub>u</sub>	6	7	4	4	6	4	6	2	2		5	10	2	4	3	6	3	4	4	4	2	2	6	6
D <sub>ℓ</sub>	2	3	6	4	4	6	2	4	4		4	2	2	4	5	3	3	4	2	2	4	4	0	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	23	23	25	25	25	27	27	28	*28	29	27	27	29	29	29	31	29	29	28	27	25	23	23	
D <sub>u</sub>	2	2	0	0	2	2	0	4	5		2	3	5	5	2	4	2	4	4	5	4	6	4	4
D <sub>ℓ</sub>	2	2	4	4	4	4	6	2	5		5	3	2	3	4	2	4	2	4	3	4	4	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station BILL, WYOMING Lat. 43.2N Long. 105.2W Type Recorder ARN-2 Month APRIL 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc *																							
F <sub>am</sub>	138	138	138	136	132	130	130	128	128	127	123	124	128	128	126	130	128	130	132	135	140	138	137	135
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 kc *																							
F <sub>am</sub>	122	122	120	118	112	106	104	104	100	100	104	108	112	108	102	107	105	107	111	121	122	120	119	120
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 kc *																							
F <sub>am</sub>	110	106	106	104	92	80	78	78	78	81	82	81	81	84	78	81	82	83	92	106	107	108	107	105
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc *																							
F <sub>am</sub>	91	89	87	87	67	71	69	65	63	66	61	66	65	65	69	69	67	62	73	81	85	88	90	90
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc *																							
F <sub>am</sub>	68	68	70	72	60	46	44	21	20	23	21	20	20	20	21	21	23	30	52	66	68	68	69	69
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc *																							
F <sub>am</sub>	67	65	65	65	60	49	39	33	27	23	18	25	23	19	21	25	29	41	55	63	64	65	65	65
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc *																							
F <sub>am</sub>	51	49	49	49	49	43	39	35	32	30	27	37	34	35	37	37	41	45	49	51	51	51	53	47
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc *																							
F <sub>am</sub>	31	33	31	31	29	31	31	31	31	31	30	29	28	29	29	30	31	31	31	31	30	30	30	30
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								



## RADIO NOISE DATA

Lat. 43.2N

Lat. 43.2N

Long. 105.2W

Type Recorder ARN-2

Month MAY

19 58

L S T																										
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
51 kc																										
Fam	140	137	136	134	130	128	126	125	126	126	126	129	135	137	138	140	138	140	137	138	139	139	140	138		
Du	6	7	7	6	4	6	6	6	3	9	8	7	4	5	12	8	13	8	11	11	9	11	8	8		
DR	8	5	4	5	10	8	11	12	17	14	12	5	11	9	8	10	9	10	9	8	8	8	8	8		
Vdm																										
Ldm																										
113 kc																										
Fam	125	121	120	119	111	105	105	107	103	102	106	113	117	122	123	127	126	127	123	121	123	123	125	123		
Du	6	8	5	5	8	11	10	9	10	14	13	13	8	10	14	10	12	14	15	16	14	14	10	6		
DR	12	4	7	6	9	9	15	11	14	19	12	14	15	16	18	15	14	16	13	8	8	14	10	8		
Vdm																										
Ldm																										
246 kc																										
Fam	106	108	104	104	94	87	86	90	83	81	85	94	102	107	112	112	112	112	112	108	109	108	110	108		
Du	8	6	6	6	8	10	8	7	13	19	22	15	10	13	12	14	13	15	13	14	15	18	8	8		
DR	8	10	8	8	12	10	11	15	12	10	12	7	19	22	26	21	20	20	19	12	13	10	8	8		
Vdm																										
Ldm																										
545 kc																										
Fam	88	88	84	84	68	70	74	68	68	70	71	78	80	92	99	96	94	94	87	85	90	92	92	92		
Du	10	11	8	9	12	8	5	9	10	10	14	15	18	16	9	18	18	20	23	24	20	19	12	8		
DR	12	8	4	9	11	14	10	9	7	6	9	15	12	20	27	22	24	25	17	9	10	12	8	10		
Vdm																										
Ldm																										
2.5 Mc																										
Fam	70	70	68	68	60	46	36	26	24	26	24	28	37	44	56	63	60	58	60	64	70	68	69	68		
Du	4	4	6	6	8	6	6	12	14	14	16	18	20	28	16	11	18	18	17	10	5	8	7	6		
DR	8	6	4	6	9	8	14	8	6	8	6	10	19	28	36	43	33	24	14	11	11	9	8	8		
Vdm																										
Ldm																										
6 Mc																										
Fam	64	64	62	62	58	48	42	38	32	32	30	32	34	38	40	48	48	51	56	62	63	62	63	62		
Du	2	2	2	2	2	6	5	2	6	6	8	8	13	24	20	20	21	18	8	4	4	7	7	5		
DR	6	4	4	6	4	6	11	8	8	7	6	8	11	14	16	21	14	9	6	4	5	4	4	3		
Vdm																										
Ldm																										
10 Mc																										
Fam	45	47	45	45	43	43	41	41	39	37	35	39	39	41	41	43	45	47	49	51	50	49	49	47		
Du	6	2	4	4	2	2	4	2	2	4	6	2	6	6	6	8	7	9	2	1	3	4	2	4		
DR	2	4	2	4	4	6	4	6	6	4	2	7	4	6	6	6	5	4	5	6	5	4	4	4		
Vdm																										
Ldm																										
20 Mc																										
Fam	33	33	33	33	33	33	33	33	33	33	31	33	35	35	35	35	35	35	35	33	33	33	33	33		
Du	4	2	2	4	4	4	4	2	4	4	6	4	4	2	4	5	5	6	2	4	4	4	3	3		
DR	6	6	6	6	4	4	4	4	4	4	2	6	6	6	8	8	6	6	4	4	5	4	6	6		
Vdm																										
Ldm																										

# RADIO NOISE DATA

Station BILL, WYOMING Lat. 43.2 N Long. 105.2 W Type Recorder ARN-2 Month JUNE 19 58

	L S T																											
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
	51 kc *																											
F <sub>am</sub>	143	143	143	141	136	134	133	128	129	132	129	133	135	139	143	144	145	149	149	145	148	149	147	146				
D <sub>u</sub>																												
D <sub>l</sub>																												
V <sub>dm</sub>																												
L <sub>dm</sub>																												
	113 kc *																											
F <sub>am</sub>	129	127	125	127	119	119	115	113	111	114	111	115	128	125	131	134	133	136	136	133	136	135	133	133				
D <sub>u</sub>																												
D <sub>l</sub>																												
V <sub>dm</sub>																												
L <sub>dm</sub>																												
	246 kc *																											
F <sub>am</sub>	114	112	110	108	99	96	97	94	93	98	88	93	106	112	116	119	120	121	120	120	120	120	117	116				
D <sub>u</sub>																												
D <sub>l</sub>																												
V <sub>dm</sub>																												
L <sub>dm</sub>																												
	545 kc *																											
F <sub>am</sub>	96	95	93	85	75	75	72	69	72	71	71	78	86	98	103	105	107	108	102	103	104	101	99	100				
D <sub>u</sub>																												
D <sub>l</sub>																												
V <sub>dm</sub>																												
L <sub>dm</sub>																												
	2.5 Mc *																											
F <sub>am</sub>	72	72	72	70	59	44	36	30	30	34	36	30	46	54	64	66	68	71	68	68	70	75	76	74				
D <sub>u</sub>																												
D <sub>l</sub>																												
V <sub>dm</sub>																												
L <sub>dm</sub>																												
	5 Mc *																											
F <sub>am</sub>	64	64	64	62	53	49	44	37	34	33	30	28	37	41	52	56	54	54	57	60	66	67	66	64				
D <sub>u</sub>																												
D <sub>l</sub>																												
V <sub>dm</sub>																												
L <sub>dm</sub>																												
	10 Mc *																											
F <sub>am</sub>	45	45	45	41	40	41	39	35	37	33	31	32	34	37	39	42	43	47	47	50	51	50	47	46				
D <sub>u</sub>																												
D <sub>l</sub>																												
V <sub>dm</sub>																												
L <sub>dm</sub>																												
	20 Mc *																											
F <sub>am</sub>	33	33	33	33	33	33	32	33	33	31	33	32	32	33	33	33	33	33	33	33	33	33	33	33	33			
D <sub>u</sub>																												
D <sub>l</sub>																												
V <sub>dm</sub>																												
L <sub>dm</sub>																												

# RADIO NOISE DATA

Station BILL, WYOMING Lat. 43 2 N Long. 105 2 W Type Recorder ARN 2 Month AUGUST 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
Fam	*138	*139	*138	*136	*134	*134	*132	*128	*128	*128	*130	*130	*134	136	138	*139	140	140	138	139	138	139	139	138
Du														2	6		4	3	6	7	6	5	1	2
Df														6	4		8	7	4	7	6	7	9	6
Vdm																								
Ldm																								
113 kc																								
Fam	*124	*122	*119	*118	*115	*115	*107	*107	*111	*105	*107	*109	*111	117	119	121	123	122	125	121	119	121	121	119
Du														8	8	10	10	9	6	12	12	6	4	6
Df														5	12	12	10	4	18	10	8	6	8	4
Vdm																								
Ldm																								
246 kc																								
Fam	102	101	101	103	96	94	98	87	82	87	82	90	*94	96	100	102	104	103	104	100	100	100	103	102
Du														16	15	17	16	14	12	16	14	12	7	4
Df														11	12	14	18	16	21	13	9	10	11	8
Vdm																								
Ldm																								
545 kc *																								
Fam	90	91	87	89	83	73	73	73	66	71	75	76	79	81	82	87	89	87	89	85	89	88	89	93
Du																								
Df																								
Vdm																								
Ldm																								
2.5 Mc																								
Fam	64	66	64	64	62	47	35	26	*18	*18	*18	*18	*26	*38	*36	*40	46	42	44	50	62	64	64	64
Du	4	2	4	4	4	9	8	8									20	30	20	21	6	4	2	4
Df	6	8	6	6	8	11	9	8									28	23	14	8	6	8	8	8
Vdm																								
Ldm																								
5 Mc																								
Fam	61	62	62	62	58	50	40	36	30	28	*28	28	*28	*30	32	*34	40	46	52	58	60	62	62	62
Du	3	2	2	2	4	6	6	4	4	6		12			18		18	17	4	4	4	2	4	2
Df	5	4	4	4	2	4	4	4	0	0		4			4		12	14	21	6	4	6	4	4
Vdm																								
Ldm																								
10 Mc																								
Fam	50	50	48	46	46	44	43	40	38	36	*36	*36	*36	*36	40	40	46	48	50	53	52	52	52	50
Du	2	2	4	4	2	4	3	4	2	4					4	6	6	4	2	1	2	4	2	2
Df	4	4	2	2	4	4	3	2	2	2					2	4	6	8	2	5	4	4	4	4
Vdm																								
Ldm																								
Fam																								
Du																								
Df																								
Vdm																								
Ldm																								



# MONTH-HOUR VALUES OF RADIO NOISE

Station BILL, WYOMING

Lat. 43.2 N Long. 105.2 W

Month SEPT

19 58

Hour (LST)	Frequency (Mc)											
	51 kc				113 kc				246 kc			
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	132 10 5	114 13 4			99 11 5	86 9 5			62 9 6	59 5 5		
01	132 8 4	114 8 4			100 9 6	88 8 7			62 6 5	59 3 3		
02	132 6 4	114 8 4			100 8 6	88 6 7			64 4 8	60 2 6		
03	132 6 4	114 10 4			100 8 6	87 8 8			64 4 7	59 3 4		
04	130 9 4	114 9 6			100 7 7	85 9 3			63 3 9	58 4 3		
05	128 11 7	106 14 8			84 25 8	73 17 8			56 9 8	54 4 4		
06	126 10 7	101 15 10			81 18 7	75 11 5			36 8 7	44 3 6		
07	126 8 10	102 13 13			82 24 8	68 19 5			27 10 8	30 8 5		
08	124 10 7	100 19 10			80 27 6	69 17 4			22 4 4	22 16 2		
09	124 9 5	98 20 9			79 25 6	73 8 6			20 4 4	20 8 2		
10	126 8 6	103 16 13			82 14 8	67 12 4			18 4 2	20 7 5		
11	128 8 6	104 13 11			82 18 6	73 10 6			18 7 2	18 23 3		
12	128 9 4	106 16 8			90 25 13	69 36 6			18 32 2	19 25 3		
13	128 10 2	106 16 8			88 24 14	71 28 8			19 38 3	20 27 4		
14	130 10 4	108 18 8			93 22 12	71 23 5			19 41 2	26 18 6		
15	130 11 4	110 17 8			94 22 17	73 29 4			23 34 6	32 8 10		
16	130 10 5	108 18 6			94 23 18	75 31 6			30 26 10	40 7 12		
17	130 13 5	110 19 8			96 20 15	73 30 4			42 17 11	46 8 6		
18	131 9 5	116 12 10			102 12 10	83 16 10			56 11 9	54 6 2		
19	130 8 4	118 10 6			102 14 4	97 11 9			64 2 8	54 4 6		
20	132 12 4	116 12 4			101 11 5	91 7 7			61 6 7	56 7 4		
21	132 11 4	116 10 6			100 12 6	89 9 4			58 10 3	58 6 6		
22	132 10 4	116 12 6			100 14 6	87 6 6			58 12 4	58 5 4		
23	132 10 4	114 14 4			100 12 6	87 10 4			60 12 4	59 6 4		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>g</sub> = ratio of upper decile to median in db

V<sub>dm</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

10-70848-1

RN-13

# MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2 N Long. 105.2 W

Month October

Day 19

Hour (EST)	Frequency (Mc)																															
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc			
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	127	6	6		111	8	4		96	7	5		86	5	3		56	11	12		55	5	6		45	3	2		24	4	1	
01	127	5	6		111	8	4		96	6	5		86	8	6		56	11	7		55	5	4		45	2	2		24	4	2	
02	127	6	6		109	11	2		94	12	4		84	7	4		56	10	6		55	5	4		45	4	4		24	4	0	
03	127	5	6		111	8	2		94	10	6		82	9	3		56	8	8		55	7	5		45	3	5		24	4	1	
04	125	8	7		109	8	6		90	13	8		86	7	7		54	8	9		53	6	5		43	2	5		24	6	1	
05	121	10	7		103	8	8		84	11	6		78	5	8		52	10	8		55	6	8		39	5	2		26	4	2	
06	119	9	6		95	10	4		76	12	4		72	4	5		42	7	7		51	8	11		39	4	2		30	8	3	
07	117	8	9		93	13	8		76	13	4		66	3	2		28	12	7		33	9	6		35	6	2		30	5	2	
08	114	11	10		88	17	5		76	11	5		68	2	3		22	8	3		23	8	4		31	5	4		30	5	2	
09	113	11	12		89	16	10		74	9	4		70	4	5		20	4	3		19	6	4		29	6	3		30	3	3	
10	113	8	13		87	18	6		74	6	4		64	4	3		18	5	1		16	4	3		27	5	4		28	5	0	
11	116	6	10		91	10	8		76	8	4		68	4	8		18	2	2		15	3	2		27	6	4		28	4	2	
12	119	4	8		95	10	10		76	12	4		66	5	5		18	4	2		15	6	2		27	4	4		30	2	3	
13	121	6	5		96	13	13		76	11	5		66	6	5		18	4	0		17	10	4		29	7	4		30	3	2	
14	121	7	14		95	18	8		76	10	6		68	3	8		20	2	2		21	9	5		31	8	2		30	4	1	
15	121	8	9		95	16	10		76	12	6		70	2	4		22	7	2		27	11	7		37	5	6		32	2	3	
16	121	7	10		97	14	8		78	7	7		70	4	5		30	11	6		33	14	4		41	3	4		32	3	2	
17	121	9	8		101	16	6		82	20	5		76	6	11		43	10	10		45	9	5		43	5	4		34	2	4	
18	123	9	4		107	16	4		90	15	8		80	9	5		54	11	8		49	9	7		45	4	4		34	2	4	
19	125	9	6		111	10	8		92	13	9		84	10	5		56	9	8		51	9	10		45	4	4		30	3	4	
20	127	6	10		111	12	6		92	14	4		88	9	6		54	10	8		51	10	8		45	4	4		28	4	2	
21	127	7	5		111	14	6		95	10	6		88	7	5		56	10	6		52	8	7		45	4	4		26	4	2	
22	127	7	5		111	10	4		97	10	8		90	4	7		55	13	7		53	8	7		45	2	4		25	3	1	
23	127	9	8		111	10	4		96	8	4		88	6	7		54	15	7		55	6	8		45	5	3		24	6	1	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>g</sub> = ratio of upper decile to median in db

V<sub>dm</sub> = ratio of median to lower decile in db

L<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month November 19 58

Hour (LST)		Frequency (Mc)																																			
		51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc							
		F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
00	23					93					91					52						41															
01	21					93					87					54						37															
02	22					93					85					52						41															
03	22					89					87					54						39															
04	23					89					87					54						39															
05	22					81					87					54						39															
06	17					73					77					49						39															
07	13					73					71					39						37															
08	11					79					69					30						36															
09	103					75					69					24						31															
10	102					75					65					22						29															
11	101					75					71					19						27															
12	105					75					69					20						27															
13	108					78					69					22						31															
14	105					81					68					24						37															
15	113					73					73					34						39															
16	115					82					78					50						40															
17	120					87					83					54						43															
18	122					91					89					56						43															
19	122					93					93					56						43															
20	123					95					95					56						45															
21	125					95					95					54						41															
22	123					93					93					56						41															
23	124					95					93					54						41															

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>g</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power





# MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2 N Long. 105.2 W

Month January 19 59

Hour (LST)			Frequency																													
			51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc	
F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
00	116	11	5	5	104	8	5		83	14	6		79	10	9		44	8	4						38	4	2		22	2	0	
01	118	15	4	4	104	9	5		83	14	7		78	8	6		44	11	7						38	4	4		22	2	0	
02	119	11	5	5	103	10	3		82	12	5		74	8	7		44	10	7						38	6	6		22	2	0	
03	118	10	4	4	102	9	2		81	8	5		74	6	8		43	13	5						38	5	6		24	0	2	
04	116	11	3	3	104	4	6		81	9	8		76	8	6		42	15	4						38	3	6		24	0	2	
05	118	7	4	4	102	7	6		81	12	8		80	5	9		44	9	5						36	5	2		24	1	2	
06	116	10	11	11	94	11	8		79	12	7		74	6	4		42	10	4						36	4	4		24	2	0	
07	116	6	8	8	90	10	7		75	7	4		66	7	3		40	8	5						36	5	4		26	4	0	
08	110	10	7	7	86	2	6		73	8	2		67	3	5		26	6	6						34	4	2		28	3	3	
09	104	7	5	5	84	9	5		73	6	2		66	5	2		21	5	3						30	4	2		26	4	2	
10	100	7	7	7	84	10	6		73	9	2		64	4	3		18	3	2						28	4	2		26	3	2	
11	98	10	8	8	84	8	7		73	7	3		66	6	4		18	3	2						28	4	4		26	2	2	
12	100	9	8	8	82	10	6		73	6	3		64	4	4		18	2	2						29	3	4		26	3	2	
13	100	8	6	6	84	10	5		73	8	2		64	6	2		18	4	2						28	4	4		26	2	2	
14	100	14	6	6	86	8	10		73	4	2		64	6	3		18	4	2						30	5	3		28	2	2	
15	100	15	5	5	88	9	8		73	7	4		68	5	6		20	2	2						34	3	5		28	4	2	
16	100	12	7	7	94	6	8		73	6	2		70	7	6		22	5	4						36	4	4		28	2	0	
17	104	13	8	8	100	5	8		75	10	4		73	7	7		32	9	9						40	3	2		28	3	2	
18	106	9	2	2	102	5	6		75	9	2		76	8	8		38	5	4						40	4	2		28	2	5	
19	110	14	4	4	102	7	5		75	12	2		78	8	6		40	5	4						40	4	1		22	6	0	
20	114	11	5	5	104	8	7		77	15	4		80	6	4		43	9	6						40	5	2		22	4	0	
21	114	12	5	5	104	8	8		79	15	4		82	7	8		42	10	5						40	4	2		22	2	0	
22	116	10	6	6	104	8	4		81	14	4		82	8	6		42	10	4						40	2	3		22	2	2	
23	115	11	11	4	103	9	4		82	16	5		82	10	8		44	11	4						40	2	3		22	2	2	0

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>g</sub> = ratio of upper decile to median in db

V<sub>dm</sub> = ratio of median to lower decile in db

L<sub>dm</sub> = median deviation of average voltage in db below mean power

# = possible contamination



# MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2 N Long. 105.2 W

Month February 19 59

Hour (LST)	Frequency																															
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc			
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	119	7	7		104	4	6		85	10	7		81	6	4		48	10	6						41	2	4		25	0	2	
01	119	9	5		104	6	8		86	9	7		83	4	6		49	8	7						39	3	2		25	0	2	
02	121	9	5		102	8	6		87	13	11		79	8	4		48	11	8						41	2	6		25	2	2	
03	121	11	4		102	11	4		85	10	10		79	6	5		47	11	7						39	4	5		25	2	2	
04	121	10	6		102	9	4		83	16	6		81	8	6		47	10	7						39	6	6		25	2	2	
05	121	10	6		98	13	6		81	16	8		83	6	4		46	12	6						38	6	5		25	2	2	
06	117	8	7		91	11	5		77	10	4		73	8	4		42	8	2						35	10	2		27	2	2	
07	117	6	8		90	4	8		75	10	4		69	2	6		36	8	8						39	8	6		27	4	2	
08	107	10	6		90	6	10		77	8	4		67	4	4		24	9	4						35	6	4		29	2	2	
09	107	10	10		90	10	9		75	8	7		65	4	4		22	2	4						31	4	4		29	2	2	
10	105	12	12		90	9	6		75	8	2		65	4	1		20	2	4						28	5	3		29	2	2	
11	107	8	12		88	8	8		75	12	6		67	2	4		20	2	4						27	4	2		28	5	3	
12	107	10	14		90	8	11		75	12	5		65	2	6		18	4	2						27	2	2		29	2	2	
13	109	5	14		90	11	13		75	11	4		67	3	5		19	5	3						27	3	3		29	4	3	
14	107	8	12		90	8	9		75	13	5		67	2	6		20	4	4						29	2	4		29	4	2	
15	109	10	14		88	11	6		75	13	2		70	3	5		20	4	4						31	2	4		29	4	2	
16	105	10	10		90	6	8		77	8	6		71	6	4		22	6	4						35	2	4		31	6	2	
17	109	6	12		96	10	6		81	4	8		71	8	6		28	10	4						39	8	4		33	2	4	
18	113	10	10		98	8	13		83	6	10		77	6	8		42	10	6						39	4	4		31	2	4	
19	117	8	12		102	6	12		85	4	12		79	6	6		42	12	4						39	4	2		30	6	7	
20	116	10	9		102	5	13		83	14	10		83	8	8		44	12	8						40	3	1		25	4	2	
21	119	8	10		101	8	10		87	11	10		85	6	11		47	10	6						41	3	3		23	2	0	
22	119	11	10		102	7	9		87	13	10		85	7	8		48	10	6						41	2	3		23	2	0	
23	117	9	6		103	5	12		85	13	4		83	6	6		48	6	6						40	3	4		24	1	1	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>g</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Type Recorder ARN-2 Month June 19 57

Local Mean Time																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51kc																								
F <sub>am</sub>	141	140	140	138	132	132	128	128	128*	130*	131*	134	137	138	140	142	144	142	142	142	144	142	142	
D <sub>u</sub>	7	7	8	9	10	6	7	8				6	8	9	13	9	6	9	7	7	8	7	8	7
D <sub>ℓ</sub>	9	9	8	7	8	12	5	5				6	6	5	6	7	8	9	10	6	7	8	8	9
V <sub>dm</sub>	4.0*	4.0*	5.0*	8.0*	7.0*	7.0*	9.0*	9.0*	8.5*	8.0*	8.0*	9.5*	6.5*	7.0*	6.0*	4.5	4.5	5.0	4.5	4.5	4.0	4.0	3.5	4.5
L <sub>dm</sub>	8.5*	10.0*	12.0*	16.0*	14.0*	15.5*	17.5*	17.0*	19.5*	20.0*	16.0*	16.5*	14.0*	12.0*	11.0*	10.0	9.5	10.0	9.0	8.5	8.0	8.0	7.0	8.5
113kc																								
F <sub>am</sub>	128	127	126	125	118	118	118	112	114*	111*	114*	119	122	124	127	128	130	130	130	129	130	129	131	130
D <sub>u</sub>	6	6	9	7	7	7	5	10				9	12	12	13	11	10	10	8	7	8	7	5	6
D <sub>ℓ</sub>	7	9	12	10	12	15	15	9				12	10	10	12	14	18	14	10	10	12	9	11	9
V <sub>dm</sub>	4.0*	4.0*	5.0*	7.5*	6.0*	8.0*	10.0*	10.0*	4.5*	8.0*	10.0*	10.0*	9.0*	9.5*	6.0*	5.0	5.0	4.0	4.0	4.0*	3.5*	3.5*	3.5	3.5
L <sub>dm</sub>	8.5*	11.0*	10.0*	16.0*	14.0*	16.0*	20.0*	19.0*	18.0*	20.0*	17.5*	18.0*	17.0*	15.0*	12.0*	11.0	9.5	9.0	8.5	8.0*	8.0*	8.0	8.0	8.0
246kc																								
F <sub>am</sub>	114	114	112	106	98	98	98	97	96*	94*	96*	104	104	108	112	116	118	116	116	118	116	116	116	116
D <sub>u</sub>	7	8	10	14	13	12	12	8				12	19	20	17	12	10	12	10	6	6	7	8	6
D <sub>ℓ</sub>	12	13	12	10	17	16	15	12				17	11	15	12	12	17	12	12	17	12	10	12	12
V <sub>dm</sub>	4.0*	4.0*	5.0*	7.0*	6.0*	8.0*	9.0*	9.0*	8.5*	8.0*	9.0*	9.0*	10.0*	8.0*	7.0*	5.0	5.0	5.0	4.0	4.0*	3.0	3.0	3.5	3.0
L <sub>dm</sub>	9.0*	11.0*	13.0*	15.5*	13.0*	15.0*	17.0*	18.5*	19.0*	17.0*	17.0*	16.0*	16.5*	18.0*	15.0*	11.0	9.0	9.0	8.0	8.0*	7.0	6.5	7.5	7.0
545kc																								
F <sub>am</sub>	96	96	94	84	76	76	76	76*	76*	76*	80*	86	86	91	102	100	103	99	98	98	98	100	98	96
D <sub>u</sub>	8	9	11	14	17	15	13					20	24	25	11	15	10	12	11	10	7	7	8	8
D <sub>ℓ</sub>	9	10	12	9	12	4	2					10	12	16	18	16	26	16	19	12	11	14	10	7
V <sub>dm</sub>	4.0*	5.5*	5.5*	7.0*	6.0*	7.0*	6.0*	3.0*	3.5*	3.0*	10.5*	7.5*	10.0*	8.0*	6.5*	6.0	5.0	4.5	4.0	4.0	3.0*	2.0*	3.0*	3.0*
L <sub>dm</sub>	10.5*	11.0*	11.5*	15.0*	13.0*	12.0*	12.0*	10.0*	8.0*	8.0*	15.5*	15.0*	20.0*	16.0*	14.5*	11.0	9.5	9.0	9.0	8.0	7.0*	6.0*	7.5*	6.5*
2.5 Mc																								
F <sub>am</sub>	74*	74*	72*	71*	60*	50*	44*	44*	44*	44*	44*	48*	53*	54	60*	62*	62*	58	57	62	72	74*	72	75
D <sub>u</sub>														18				14	10	6	2		6	3
D <sub>ℓ</sub>														10				12	24	8	8		4	9
V <sub>dm</sub>	4.0	4.5*	4.0	5.0	7.0	3.5	2.0*	2.0*	2.0*	1.5*	1.5*	3.5*	11.0*	9.0	8.0	6.0	7.0	6.0	6.0	4.0	2.5	4.0	3.5	4.0
L <sub>dm</sub>	10.0	10.5*	11.0	11.5	11.0	8.0	5.0*	4.5*	4.5*	4.0*	6.0*	6.5*	16.0*	10.5	15.0	12.5	14.0	13.0	13.0	9.0	8.0	8.0	9.0	10.0
5 Mc																								
F <sub>am</sub>	64	64	62	60*	54*	48	44	44*	41*	42*	46*	46*	46*	46*	50*	52	50	54	54	60	64	64	64	64
D <sub>u</sub>	2	2	4			8	4									12	12	6	7	6	4	6	6	4
D <sub>ℓ</sub>	6	6	4			6	4									14	8	8	4	2	2	4	4	6
V <sub>dm</sub>	4.5	4.5	5.0	5.5	5.5	4.0	2.5	1.5*	1.0*	2.0*	2.5*	3.0*	5.0	4.0	4.5	4.0	3.5	4.0	3.0	3.5	3.5	3.5	4.0	4.0
L <sub>dm</sub>	10.0	10.0	10.0	11.0	10.5	9.5	7.0	4.5*	5.0*	5.0*	6.0*	6.0*	8.0	8.0	7.0	8.0	8.0	9.0	8.0	7.0	8.0	8.0	9.0	10.0
10 Mc																								
F <sub>am</sub>	42*	44	42*	42*	40	38*	36*	34*	31*	29*	30*	32*	32*	36*	40*	42	44	46	48	50	48	46	46	44
D <sub>u</sub>		4			4											7	6	4	2	2	4	6	2	2
D <sub>ℓ</sub>		4			2											4	6	4	5	6	4	4	6	2
V <sub>dm</sub>	5.0	5.0	5.0	4.0	5.0	6.0*	6.0	5.0*	4.5*	4.0*	4.0*	4.5*	5.0	4.0	4.0	4.0	4.0*	3.5	3.5	4.5	5.0	4.0*	5.0	5.0
L <sub>dm</sub>	10.0	8.5	10.0	9.0	10.0	10.0*	11.5	10.0*	8.0*	6.0*	7.0*	8.0*	10.0	7.5	8.0	8.0	8.0*	8.0	8.0	10.0	9.0	9.5*	10.0	10.5
20 Mc																								
F <sub>am</sub>	22	22	20	20	20*	20	20	20*	20*	21*	22*	22*	20*	20	22*	26	25	24	23	22	22	22	20	21
D <sub>u</sub>	0	2	10	2		2	2							14		6	9	6	7	8	6	4	4	3
D <sub>ℓ</sub>	4	4	2	2		2	2							2		4	5	4	3	2	2	4	0	3
V <sub>dm</sub>	1.5*	1.0*	1.5*	1.5*	2.0*	1.5*	3.0*	2.5*	2.0*	2.5*	3.0*	3.5*	3.0*	2.5*	3.0*	5.5*	4.5	4.0	4.0*	3.0*	2.5*	2.0*	1.0*	2.0*
L <sub>dm</sub>	4.0*	4.0*	4.0*	4.0*	3.0*	4.0*	4.5*	5.5*	5.0*	5.5*	7.0*	7.0*	6.0*	5.0*	6.0*	9.0*	7.0	7.0	6.5*	7.0*	6.5*	4.0*	3.0*	3.5*

Table 3

GPO 845118

RN-1

# RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month July 19 57

Local Mean Time																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51kc																								
F <sub>am</sub>	142	140	140	139	138	134	132	130	130	131	132	136	140	142	145	148	146	148	144	146	144	144	144	142
D <sub>u</sub>	4	4	4	3	2	4	4	4	0	6	4	4	8	8	8	6	8	4	8	3	4	4	4	3
D <sub>ℓ</sub>	4	2	2	3	6	4	4	4	4	4	4	6	4	6	7	10	6	8	6	8	6	6	2	4
V <sub>dm</sub>	6.0	6.0	6.5	7.0	9.0	8.5	9.0	10.0	11.0	11.0	12.5	9.5	10.5	9.0	9.0	8.5	8.5	8.5	8.0	8.0	7.5	7.5	7.0	7.0
L <sub>dm</sub>	13.0	12.5	13.0	15.0	17.0	16.0	17.5	18.5	19.5	19.5	20.5	17.0	18.0	15.0	14.0	14.0	15.0	13.0	14.0	15.0	14.0	14.0	14.5	13.0
113kc																								
F <sub>am</sub>	125	125	125	121	117	113	113	110	108	107	111	118	121	129	131	135	132	133	133	131	129	129	129	127
D <sub>u</sub>	6	4	4	6	6	8	5	8	5	7	8	9	4	11	12	7	13	5	6	7	8	6	4	4
D <sub>ℓ</sub>	5	4	5	3	5	8	9	9	9	5	7	9	10	14	16	22	11	14	12	10	9	7	8	5
V <sub>dm</sub>	6.5	5.5	6.0	6.5	8.0	8.5	11.0	11.5	12.0	12.0	12.5	12.5	10.5	11.5	11.0	9.5	9.0	9.0	8.5	8.0	7.0	7.0	6.5	7.0
L <sub>dm</sub>	12.5	11.5	12.0	13.0	16.5	17.5	20.5	20.5	22.0	20.0	21.0	19.5	18.0	19.0	18.0	16.5	16.0	15.0	15.0	14.5	13.0	13.0	14.0	14.0
246kc																								
F <sub>am</sub>	110	109	108	106	98	96	92	90	84	84	89	97	106	116	120	121	120	120	118	116	115	113	113	112
D <sub>u</sub>	6	5	6	4	6	7	6	8	10	10	20	18	17	12	10	9	8	8	8	8	7	6	5	5
D <sub>ℓ</sub>	4	5	5	7	11	15	12	12	10	8	6	19	18	21	25	23	16	18	18	15	9	7	8	8
V <sub>dm</sub>	5.0	5.0	5.0	7.0	8.0	8.0	10.0	10.0	11.5	9.5	13.0	11.5	12.5	11.5	10.0	10.0	9.0	8.0	9.0	8.0	7.0	7.0	6.5	6.5
L <sub>dm</sub>	11.0	11.0	12.0	14.5	16.0	18.0	17.0	17.5	19.5	16.5	21.0	21.0	20.0	20.5	17.5	18.5	17.0	15.5	16.5	14.0	13.0	14.0	13.0	12.0
545kc																								
F <sub>am</sub>	94	92	90	86	72	75	75	82	80	73	77	87	96	103	106	108	108	105	102	101	99	96	96	96
D <sub>u</sub>	6	6	6	6	8	5	6	6	8	10	22	18	16	11	11	11	6	9	8	9	5	9	6	6
D <sub>ℓ</sub>	4	5	2	18	8	3	4	9	10	3	7	15	22	27	25	26	25	28	23	16	9	6	4	5
V <sub>dm</sub>	5.0	5.0	5.0	6.5	6.0	4.5	5.5	5.0	2.5*	7.0	15.0	11.0	11.0	10.0	10.0	9.0	9.0	10.5	11.0	9.0	6.0	6.0	5.0	5.0
L <sub>dm</sub>	10.5	10.0	11.0	12.5	14.0	8.5	10.0	10.0	8.0*	13.0	20.5	20.0	21.0	20.5	18.5	17.5	18.0	17.0	21.5	15.0	13.0	11.5	10.5	11.0
2.5Mc																								
F <sub>am</sub>	71	71	72	71	63	51	47	47	47	47	47	50	54	61	67	73	69	67	67	68	71	73	73	73
D <sub>u</sub>	4	4	3	6	4	2	4	2	1	2	2	13	19	16	12	8	12	10	8	7	8	4	4	2
D <sub>ℓ</sub>	4	6	5	7	8	4	2	4	2	2	2	3	5	8	16	22	18	17	12	7	4	5	6	4
V <sub>dm</sub>	3.5	3.5*	4.0	4.0	3.0*	3.0*	2.0*	1.0*	1.0*	1.0*	1.0*	2.0	5.0	8.0	5.0	7.5	5.5	6.0	6.0	3.5	4.0	3.5	4.0	4.0
L <sub>dm</sub>	8.0	8.0*	9.0	8.0*	7.5*	5.0*	4.0*	3.0*	3.0*	3.0*	3.0*	3.0	8.0	15.0	16.5	15.0	13.5	14.5	10.5	9.0	8.0	8.0	9.0	8.0
5Mc																								
F <sub>am</sub>	63	63	63	63	59	49	43	43	41	43	43	45	45	49	51	58	54	55	57	63	65	65	65	63
D <sub>u</sub>	2	4	2	2	2	4	4	2	4	2	5	4	4	17	16	18	14	8	6	2	4	2	2	4
D <sub>ℓ</sub>	3	2	3	4	6	6	3	8	4	5	4	8	2	6	4	13	7	9	6	6	3	4	4	3
V <sub>dm</sub>	3.5	3.5	4.0	4.0	4.0*	4.5*	4.0*	1.5*	1.5*	1.0*	1.0*	1.0	3.0	9.0	6.0	7.5	5.0	4.0	3.0	2.5	3.0	3.5	4.0	4.0
L <sub>dm</sub>	8.0	8.0	8.0	8.5	8.5*	8.0*	7.0*	3.5*	3.5*	3.0*	3.0*	3.0	5.0	14.0	14.0	15.5	8.0	9.0	6.0	6.0	7.0	7.5	8.0	8.0
10Mc																								
F <sub>am</sub>	47	47	47	45	44	43	39	35	33	31	31	33	35	41	43	45	47	49	49	51	51	51	49	49
D <sub>u</sub>	4	2	2	1	3	2	6	6	6	6	5	6	10	9	9	8	5	3	4	4	5	2	4	2
D <sub>ℓ</sub>	4	3	4	3	3	4	4	5	4	5	6	7	6	8	11	7	5	6	2	3	3	4	3	6
V <sub>dm</sub>	4.0	3.0	2.5	2.5	3.0*	3.0*	4.5*	4.0*	4.5*	4.0*	3.0*	4.5	4.5	5.0	5.0	4.5	3.0	3.0	3.0	2.5	3.0	3.5	3.5	3.0
L <sub>dm</sub>	7.5	7.0	6.5	6.0	7.0*	7.5*	7.0*	8.0*	11.5*	6.0*	6.0*	8.0	9.0	10.0	10.0	10.0	6.5	6.5	7.0	6.0	6.5	6.0	7.5	7.0
20Mc																								
F <sub>am</sub>	23	23	21	21	21	23	23	23	25	21	23	25	25	27	29	30	29	29	29	27	25	24	23	22
D <sub>u</sub>	1	0	2	1	2	3	3	4	4	6	12	7	6	7	10	16	7	4	4	7	10	4	3	3
D <sub>ℓ</sub>	2	2	0	0	0	2	2	2	4	2	2	4	4	6	8	7	7	6	4	4	3	3	2	1
V <sub>dm</sub>	1.0*	1.0*	.5	.5*	1.0*	2.0*	3.0*	2.0*	3.0*	3.0*	2.5	2.5	2.0	2.0	3.0	4.0	3.0	3.0	3.0	2.5	1.0*	1.0*	1.5*	1.5*
L <sub>dm</sub>	3.0*	3.0*	3.0	2.5*	2.5*	3.5*	5.0*	4.0*	7.0*	4.5*	4.0	5.0	5.0	5.0	6.0	7.5	6.0	6.0	5.0	4.5	4.5*	3.0*	4.0*	3.0*



# RADIO NOISE DATA

Station Boulder, Colorado Lat 40.1°N Long 105.1°W Type Recorder ARN-2 Month August 19 57

Local Mean Time																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51kc																							
F <sub>am</sub>	142	140	140	140	138	134	134	132	130	134	*132	137	141	144	144	144	146	144	144	144	144	142	142	142
D <sub>u</sub>	2	4	2	2	2	6	4	6	6	5		6	6	6	8	8	6	10	7	6	5	8	7	4
D <sub>ℓ</sub>	4	2	4	6	4	4	6	6	7	6		6	6	6	5	4	6	4	6	6	5	3	4	4
V <sub>dm</sub>	7.5	8.0	7.5	7.0	9.0	9.5	10.5	11.0	11.0	*10.0	*9.5	11.5	11.0	9.5	8.5	8.5	8.0	8.0	8.5	7.5	7.5	8.0	7.5	7.0
L <sub>dm</sub>	13.5	14.5	12.5	14.0	16.0	15.0	17.5	18.5	19.0	*19.0	*17.0	19.0	19.0	17.0	16.0	17.0	16.0	14.5	15.0	13.5	13.0	15.5	14.0	15.5
	113kc																							
F <sub>am</sub>	127	126	126	124	122	118	116	114	112	112	*114	116	126	130	130	132	132	132	134	132	131	128	128	128
D <sub>u</sub>	4	4	4	4	4	6	6	10	13	12		16	8	8	10	10	10	14	4	7	7	10	9	6
D <sub>ℓ</sub>	7	6	6	4	5	10	12	12	7	9		5	8	8	6	6	6	7	10	8	7	4	4	6
V <sub>dm</sub>	7.0	7.0	6.0	6.5	8.5	9.5	11.0	11.0	*12.5	*11.0	*11.0	11.0	11.5	11.0	10.0	10.0	9.0	9.0	9.0	8.0	6.5	7.0	7.0	7.0
L <sub>dm</sub>	12.5	12.0	11.5	12.5	15.5	18.0	20.0	20.0	*18.0	*18.0	*16.5	19.5	19.0	19.5	19.0	18.0	19.0	17.0	16.5	14.5	12.0	14.0	13.5	14.0
	246kc																							
F <sub>am</sub>	110	110	108	108	104	100	98	96	94	92	93	100	110	112	117	118	120	118	116	116	114	112	111	110
D <sub>u</sub>	6	6	6	2	4	4	8	12	16	14	19	21	8	12	15	12	8	11	8	12	9	12	12	9
D <sub>ℓ</sub>	6	6	6	6	13	20	18	16	20	16	11	9	18	13	11	10	12	10	13	9	6	6	5	6
V <sub>dm</sub>	6.0	6.5	6.5	6.0	9.5	10.0	10.5	11.0	*9.5	*8.0	*8.5	12.0	11.0	11.0	10.5	9.5	9.5	10.0	10.0	6.5	6.0	6.0	6.0	6.5
L <sub>dm</sub>	12.0	12.0	12.0	13.0	15.5	17.0	18.5	19.5	*16.0	*14.0	*13.0	20.0	20.0	20.5	20.5	18.5	19.5	19.0	18.0	13.5	12.5	12.0	13.0	13.0
	545kc																							
F <sub>am</sub>	98	98	96	96	84	82	78	83	80	*76	81	84	98	98	104	107	104	102	102	102	98	98	99	98
D <sub>u</sub>	6	6	4	4	14	6	8	15	17		15	22	12	13	16	9	14	13	10	13	6	11	9	6
D <sub>ℓ</sub>	4	6	6	6	8	10	4	9	6		9	10	22	19	14	18	13	16	18	8	4	4	4	5
V <sub>dm</sub>	6.0	5.0	6.0	6.5	6.0	*2.0	4.5	*3.5	*1.5	*3.5	*7.0	*5.5	9.0	10.5	9.0	10.0	10.0	11.0	7.0	5.5	5.0	5.0	4.5	6.0
L <sub>dm</sub>	12.5	11.5	11.0	14.0	12.0	*4.0	10.0	*8.0	*4.0	*6.0	*15.0	*9.0	13.5	21.5	18.5	20.0	18.5	21.0	13.5	11.0	9.5	9.5	10.0	12.0
	2.5Mc																							
F <sub>am</sub>	72	71	70	70	68	58	50	46	48	49	48	50	54	57	62	66	66	64	68	74	74	74	74	74
D <sub>u</sub>	7	6	6	8	8	8	10	12	10	10	10	19	23	25	16	18	13	18	13	6	14	12	10	5
D <sub>ℓ</sub>	4	5	4	4	9	10	6	4	6	4	4	4	8	11	14	14	15	12	11	9	4	4	6	6
V <sub>dm</sub>	3.0	2.5	3.5	3.0	4.5	6.0	3.5	*1.0	*1.0	*2.0	*4.0	3.0	5.0	6.0	5.0	5.5	5.0	5.5	3.5	2.5	2.5	2.5	2.5	2.5
L <sub>dm</sub>	6.5	7.5	8.5	8.0	9.5	11.0	6.5	*3.0	*2.0	*4.0	*6.0	5.0	12.5	15.0	12.0	12.0	12.0	9.5	8.5	5.5	6.0	6.0	6.5	6.0
	5Mc																							
F <sub>am</sub>	64	64	64	62	62	54	46	42	42	40	44	44	47	46	50	54	54	56	62	66	66	66	64	64
D <sub>u</sub>	6	6	6	8	6	8	9	7	7	11	8	8	17	18	30	18	13	16	10	10	11	11	7	7
D <sub>ℓ</sub>	4	6	5	3	5	7	3	4	5	4	8	8	9	6	8	8	5	4	6	4	5	4	4	4
V <sub>dm</sub>	2.5	3.0	2.0	3.0	3.0	4.5	*4.0	2.5	*2.0	*1.5	*3.0	2.5	5.0	5.5	4.5	4.0	3.0	4.0	2.0	2.5	2.5	1.5	2.5	2.5
L <sub>dm</sub>	7.0	6.5	6.5	8.0	8.0	9.5	*8.0	4.5	*4.0	*3.5	*4.0	4.0	10.0	9.5	13.5	8.5	8.0	8.0	5.5	6.0	6.0	6.5	6.5	6.0
	10Mc																							
F <sub>am</sub>	46	46	46	46	44	44	42	40	35	34	34	34	38	40	44	46	48	50	52	52	50	50	48	46
D <sub>u</sub>	8	6	6	7	9	7	9	6	12	10	7	10	12	12	12	14	8	9	9	7	8	12	8	8
D <sub>ℓ</sub>	5	5	2	3	2	4	6	10	6	7	7	4	6	6	8	7	4	3	3	3	2	4	4	4
V <sub>dm</sub>	2.5	3.0	2.5	2.0	4.0	3.5	4.5	4.5	4.0	*5.5	*3.5	4.0	5.0	3.5	4.5	4.0	2.5	2.5	2.0	2.5	3.0	3.5	3.0	3.5
L <sub>dm</sub>	6.0	7.0	6.0	5.5	8.0	8.0	9.0	9.0	7.0	*9.0	*7.0	8.0	11.0	7.0	10.0	7.0	6.5	6.0	5.5	6.0	7.0	7.0	6.0	7.0
	20Mc																							
F <sub>am</sub>	23	23	23	23	23	25	25	25	25	25	25	25	27	27	29	31	31	31	31	27	25	25	25	23
D <sub>u</sub>	8	8	7	7	7	8	8	9	10	10	10	10	10	12	14	12	10	11	11	15	18	14	8	8
D <sub>ℓ</sub>	3	4	4	4	4	4	4	4	6	2	3	4	6	4	4	5	4	3	4	3	2	2	4	3
V <sub>dm</sub>	*1.0	*1.0	*1.0	*1.0	*1.0	2.0	*2.0	*1.5	*1.5	*2.0	*1.5	2.5	2.5	3.0	4.0	2.5	3.0	2.5	3.0	2.5	2.5	2.0	1.5	1.0
L <sub>dm</sub>	*2.5	*2.5	*3.0	*2.5	*2.5	3.5	*4.5	*4.0	*4.0	*5.0	*4.0	5.0	8.5	6.0	8.0	5.5	5.5	5.0	6.0	4.0	4.0	4.0	3.0	2.5

Table 5

GPO 645518

RN-1



# RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month Sept. 19 57

Local Mean Time																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51kc																								
F <sub>am</sub>	140	138	*138	*138	138	*134	*133	*132	*132	*128	*132	*134	*137	*137	136	*138	138	*138	*138	*141	*142	*141	*141	*141
D <sub>u</sub>	4	6			2										8		8							
D <sub>ℓ</sub>	6	6			6										8		6							
V <sub>dm</sub>	9.0	9.0	9.0	9.0	9.5	*13.0	*13.0	*13.0	*12.0	*12.0	*10.5	*9.5	*11.0	*7.5	*8.0	*8.0	*7.0	*8.5	*8.0	*7.0	*8.0	*8.0	*8.0	*8.0
L <sub>dm</sub>	15.5	14.0	15.0	16.0	18.5	*21.0	*19.5	*22.0	*20.0	*20.0	*18.0	*17.5	*17.5	*14.0	*14.5	*15.0	*13.5	*15.0	*14.5	*12.5	*13.0	*15.0	*15.5	*14.0
113kc																								
F <sub>am</sub>	126	124	124	*124	*122	*120	*111	*111	*112	*114	*112	*112	*114	*118	120	118	126	*125	*127	*129	*128	*128	*126	*126
D <sub>u</sub>	6	6	6												16	18	10							
D <sub>ℓ</sub>	8	8	8												12	14	20							
V <sub>dm</sub>	9.0	8.0	7.5	8.0	6.5	*13.5	*14.0	*12.0	*11.5	*15.0	*12.5	*10.5	*9.5	*9.5	*9.0	*7.0	*8.0	*7.0	6.5	*6.5	*7.0	*8.0	*9.0	*7.5
L <sub>dm</sub>	16.0	14.5	14.0	15.5	16.5	*22.0	*23.5	*23.0	*23.0	*25.0	*21.0	*21.0	*17.0	*16.0	*14.5	*13.0	*14.5	*13.5	*12.0	*11.0	*12.5	*14.5	*16.0	*13.5
246kc																								
F <sub>am</sub>	110	*109	*107	*107	*106	*106	*95	*94	*98	*96	*89	*93	*94	*98	106	108	110	*108	*110	*112	*112	*111	*110	*110
D <sub>u</sub>	6		7												22	14	16	12						
D <sub>ℓ</sub>	12		9												22	18	30	32						
V <sub>dm</sub>	9.0	8.5	8.0	8.0	10.0	*12.0	*12.0	*12.0	*13.0		*10.5	*8.0	*10.5	*7.0	*8.0	*7.0	*4.0	*6.0	6.5	6.0	7.5	8.5	8.0	*7.0
L <sub>dm</sub>	15.0	14.0	13.5	14.0	18.5	*18.5	*19.5	*22.0	*23.5		*16.0	*16.0	*16.0	*10.0	*14.0	*10.5	*8.0	*10.5	*11.0	*10.0	*13.5	*15.0	*14.5	*13.0
545kc																								
F <sub>am</sub>	95	93	91	*91	*90	*84	*81	*87	*84	*76	*79	*80	*81	79	83	83	*88	*84	*88	*96	*95	*97	*95	*93
D <sub>u</sub>	4	6	6												26	20	24							
D <sub>ℓ</sub>	8	6	6												8	12	10							
V <sub>dm</sub>	6.0	6.0	7.0	7.0	*4.5	*8.5	*6.5			*5.5	*4.0		*7.0	*5.0	*6.0	*5.0	*10.5	*6.5	*5.5	*5.0	*7.0	5.5	*6.0	*5.0
L <sub>dm</sub>	10.0	12.0	12.5	12.5	11.0	12.0	12.5			9.5	*8.0		*13.0	9.0	10.0	8.0	18.0	10.5	10.0	9.5	11.5	9.5	9.0	9.5
2.5Mc																								
F <sub>am</sub>	66	66	66	64	64	58	46	44	45	*46	*46	46	46	46	46	46	46	48	56	64	64	64	64	63
D <sub>u</sub>	6	6	4	6	6	6	4	2	1			6	8	10	18	17	17	14	8	10	10	10	6	9
D <sub>ℓ</sub>	12	12	10	8	10	10	4	2	6			6	4	4	4	4	3	4	8	14	12	14	14	13
V <sub>dm</sub>	4.0	4.5	4.0	5.0	5.5	6.0	2.5	2.5	1.5	*2.0	*1.0	1.5	3.0	1.5	1.5	2.0	1.5	2.5	3.0	3.0	4.0	4.0	3.5	3.5
L <sub>dm</sub>	9.0	9.0	9.0	10.0	8.0	8.0	3.5	3.0	3.0	3.0	*2.5	*2.5	4.0	2.5	2.5	3.0	2.5	3.5	5.0	6.0	8.0	7.0	7.5	7.5
5Mc																								
F <sub>am</sub>	60	61	61	59	59	55	45	41	41	*43	43	43	43	43	44	45	47	49	57	59	59	58	59	59
D <sub>u</sub>	3	2	2	4	2	6	4	4	4		4	4	4	5	3	7	8	8	8	8	8	5	4	4
D <sub>ℓ</sub>	5	6	8	2	4	6	6	6	8		8	15	8	8	9	12	6	2	6	6	6	5	6	4
V <sub>dm</sub>	4.0	4.0	3.5	4.0	4.0	4.5	2.0	3.0	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.5	2.0	2.5	3.0	4.0	3.5	3.5	3.5
L <sub>dm</sub>	7.5	8.0	7.5	8.0	8.5	8.5	4.5	4.0	3.0	3.0	2.5	3.0	3.5	3.5	3.5	3.0	5.0	4.0	5.0	6.0	7.0	7.5	7.5	8.0
10Mc																								
F <sub>am</sub>	43	44	43	43	43	41	37	31	*29	*27	*25	25	26	27	29	37	41	45	47	45	45	45	44	43
D <sub>u</sub>	4	3	3	4	1	2	6	8				8	7	11	10	6	4	4	4	6	4	2	3	4
D <sub>ℓ</sub>	4	6	4	6	11	7	3	7				5	3	4	4	6	8	6	6	4	6	6	3	4
V <sub>dm</sub>	4.0	3.0	3.5	4.5	4.0	4.0	3.0	3.5	*4.0	3.0	2.5	3.0	2.5	2.5	3.0	3.5	3.0	3.0	3.0	3.5	4.0	4.0	3.0	3.5
L <sub>dm</sub>	7.0	7.0	7.5	7.5	7.5	7.0	6.5	5.0	*6.0	5.0	4.0	4.5	3.5	5.0	6.0	6.5	7.0	6.0	6.5	7.0	7.0	7.5	7.0	7.0
20Mc																								
F <sub>am</sub>	22	22	22	22	22	24	26	28	*24	*24	*24	24	26	28	28	30	30	32	30	28	24	24	24	22
D <sub>u</sub>	2	2	2	2	2	3	4	2				4	7	4	6	4	2	4	6	3	4	2	2	2
D <sub>ℓ</sub>	0	0	2	2	2	2	4	6				5	2	5	4	6	4	6	6	5	2	2	2	0
V <sub>dm</sub>	2.0	1.0	1.0	1.0	1.0	2.0	2.5	2.5	1.0	2.0	2.0	1.5	3.5	2.0	2.5	2.0	2.5	2.5	3.0	2.5	3.0	2.0	2.0	1.5
L <sub>dm</sub>	2.5	2.5	2.5	2.5	2.0	3.0	4.5	4.0	2.5	3.5	3.5	3.5	4.5	4.0	4.0	4.0	4.5	5.0	5.0	4.0	4.5	3.0	3.5	2.5

Table 6

GPO 445918

RN-1

# RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month October 19 57

Local Mean Time																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
51kc																									
F <sub>am</sub>	135	135	133	133	131	129	129	127	124	*123	*123	123	125	127	129	131	131	132	133	135	134	134	136	135	
D <sub>u</sub>	6	6	10	10	10	10	8	8	9			12	12	10	9	9	8	7	6	6	7	5	5	6	
D <sub>ℓ</sub>	6	8	6	6	6	8	10	14	12			10	12	16	14	15	14	15	10	8	5	5	9	8	
V <sub>dm</sub>	8.0	8.5	8.5	9.0	10.0	9.0	10.0	10.0	10.5	*12.0	*14.0	*12.5	11.0	10.0	10.0	10.5	10.0	10.5	9.5	9.0	9.5	9.0	8.0	8.5	
L <sub>dm</sub>	15.0	16.0	16.0	17.0	17.5	17.0	18.0	19.0	19.5	*19.0	*22.5	*21.0	19.0	*17.5	18.0	17.5	17.5	18.0	16.0	16.0	16.0	16.0	16.5	16.5	
113kc																									
F <sub>am</sub>	118	118	116	118	112	110	107	98	99	*96	94	100	102	104	110	110	111	113	115	115	115	116	116	115	
D <sub>u</sub>	6	6	10	8	14	12	11	18	13		22	12	16	12	7	10	11	13	9	9	11	10	10	11	
D <sub>ℓ</sub>	10	8	8	10	10	14	19	22	19		16	20	24	24	26	26	21	17	9	9	7	8	6	7	
V <sub>dm</sub>	7.0	7.0	8.0	8.5	9.5	9.5	10.0	10.0	*11.0	*13.5	*8.0	*12.0	11.0	9.5	8.5	*11.0	9.5	*8.5	7.5	8.5	8.0	8.0	7.5	7.0	
L <sub>dm</sub>	15.0	15.0	14.0	16.5	17.0	18.5	19.0	18.0	21.5	24.0	*14.0	*21.0	21.0	19.0	17.0	19.5	15.0	*16.0	15.0	16.0	15.5	15.5	14.0	14.0	
246kc																									
F <sub>am</sub>	102	102	101	100	95	91	85	78	76	*77	75	77	77	83	85	86	87	99	103	99	101	101	101	101	
D <sub>u</sub>	7	9	12	13	16	12	12	15	21		18	15	24	12	13	25	25	18	8	16	14	10	10	10	
D <sub>ℓ</sub>	11	9	8	9	12	14	12	7	5		4	6	6	10	12	13	10	18	16	10	10	8	12	6	
V <sub>dm</sub>	6.5	6.0	7.5	7.0	8.0	9.0	*8.0	*7.0	6.0	7.0	7.0	8.0	8.5	6.0	6.5	*9.0	6.0	*7.5	7.0	7.0	6.5	7.0	6.5	6.5	
L <sub>dm</sub>	13.5	12.5	13.5	15.0	16.0	*15.0	*17.0	*11.0	9.5	13.0	*12.0	*11.5	13.0	*12.0	*12.5	15.0	*13.5	*14.5	14.0	13.5	14.5	14.0	13.5	13.0	
545kc																									
F <sub>am</sub>	89	87	87	85	89	78	77	77	79	*71	75	73	75	73	77	81	83	85	91	92	93	95	93	91	
D <sub>u</sub>	10	12	10	12	8	10	8	12	7		6	6	8	7	8	15	20	14	8	9	6	6	8	6	
D <sub>ℓ</sub>	8	6	6	8	12	7	6	9	9		6	4	4	6	7	7	12	12	8	7	6	10	6	6	
V <sub>dm</sub>	5.5	5.0	6.0	*5.0	*5.0	3.5	5.0	3.0		4.0	3.5	2.5	4.0	2.0	7.0	2.5	*10.0	*5.0	*5.0	5.0	3.5	5.0	4.5	5.0	
L <sub>dm</sub>	11.0	12.0	12.0	*12.5	12.0	6.0	*8.0	*4.5		7.5	8.5	4.0	7.5	*4.5	13.5	*5.0	*18.0	*10.0	*10.5	10.0	8.0	9.0	8.5	10.0	
2.5Mc																									
F <sub>am</sub>	60	60	62	60	60	58	48	44	40	*44	*46	46	46	46	46	46	47	50	60	62	62	62	62	61	
D <sub>u</sub>	10	8	6	9	6	10	13	5	8			2	4	2	2	6	9	11	7	8	7	6	6	9	
D <sub>ℓ</sub>	6	8	12	12	14	16	7	7	4			6	5	5	4	4	7	4	7	8	6	6	8	7	
V <sub>dm</sub>	4.0	4.5	4.5	4.0	6.0	5.0	2.5	2.0	2.0	1.0	*1.5	1.5	2.0	1.5	1.5	1.5	2.5	2.5	3.5	3.0	5.0	4.0	4.0	5.0	
L <sub>dm</sub>	8.0	8.0	9.5	10.0	11.0	10.5	4.5	3.5	3.0	2.5	*3.0	2.5	2.5	2.5	3.0	3.0	4.0	5.0	7.5	7.5	9.5	9.0	9.0	9.0	
5Mc																									
F <sub>am</sub>	59	57	57	58	57	56	47	37	35	*36	37	37	37	37	39	41	45	53	55	57	57	57	57	57	
D <sub>u</sub>	2	4	6	5	6	5	6	8	8		7	6	8	8	6	7	6	4	8	6	6	4	4	4	
D <sub>ℓ</sub>	10	8	6	7	8	9	4	6	8		6	6	4	4	5	7	6	8	6	8	8	10	8	10	
V <sub>dm</sub>	4.0	4.0	3.5	4.0	4.0	4.0	3.0	2.0	2.0	1.5	1.5	1.0	2.0	1.5	1.5	2.0	3.5	3.0	3.0	3.5	4.0	4.0	4.0	4.0	
L <sub>dm</sub>	8.0	8.0	8.0	8.0	7.5	8.0	7.0	3.5	3.5	3.0	3.5	3.5	3.5	3.0	3.0	3.0	5.5	6.0	7.0	7.5	8.5	8.0	8.0	8.0	
10Mc																									
F <sub>am</sub>	44	44	44	44	42	40	40	34	28	*27	25	25	26	28	34	38	42	46	46	46	44	44	44	44	
D <sub>u</sub>	3	2	4	2	4	4	4	6	10		12	10	10	12	4	6	4	2	4	3	4	4	4	3	
D <sub>ℓ</sub>	2	2	3	4	2	4	4	4	2		5	3	3	2	6	8	4	6	4	4	2	2	2	2	
V <sub>dm</sub>	3.0	3.0	3.0	2.5	3.0	3.0	3.0	3.0	3.0	3.5	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	3.0	3.0	3.5	3.0	3.0	
L <sub>dm</sub>	5.5	6.0	6.0	5.5	7.0	5.5	6.0	6.0	6.0	6.0	3.0	4.0	4.0	5.5	6.0	6.5	6.0	6.5	6.0	6.0	6.5	6.0	6.0	6.0	
20Mc																									
F <sub>am</sub>	22	22	22	22	22	24	26	28	27	*26	26	26	28	28	30	30	32	32	32	28	26	26	24	22	
D <sub>u</sub>	0	0	0	0	0	2	4	6	6		2	9	8	4	6	2	6	4	6	9	8	2	2	3	
D <sub>ℓ</sub>	0	2	2	2	0	2	2	2	1		2	2	2	2	4	2	2	3	6	2	2	2	2	0	
V <sub>dm</sub>	1.0	1.0	1.0	1.0	1.0	1.5	2.0	1.0	1.0	*1.5	1.5	1.0	1.5	*2.5	2.0	1.5	2.0	1.5	2.0	2.0	2.0	2.0	1.0	1.0	
L <sub>dm</sub>	2.0	2.0	2.0	2.5	2.5	2.5	4.0	3.0	3.0	*4.0	3.0	4.0	3.5	*4.0	4.0	3.5	3.5	2.5	4.0	4.5	4.0	4.0	3.0	2.5	

Table 7

CPO 8450B RN-1



# RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Type Recorder ARN-2 Month November 19 57

Local Mean Time																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Fam	124	126	124	126	125	124	120	117	113	*108	*108	109	113	110	108	107	112	118	120	124	126	125	125	124
Du	14	9	12	7	8	9	6	12	15			9	14	19	18	19	18	13	14	8	11	8	4	12
Dl	8	7	8	5	9	5	6	4	7			7	11	8	8	5	12	11	7	9	10	9	9	6
Vdm	11.5	*9.5	9.5	*9.0	10.0	9.5	11.0	11.0	13.0	*10.0	*14.0	*12.5	10.5	*12.5	10.0	*13.5	*9.0	*11.0	11.0	*10.0	10.5	10.0	10.0	*10.5
Ldm	19.0	*18.0	17.0	*16.5	18.0	19.0	18.5	18.5	21.0	*18.0	*22.5	*21.0	18.0	19.0	17.0	*21.0	*14.0	*17.5	19.5	*18.0	19.0	17.5	19.0	*21.0
Fam	110	112	110	108	109	108	94	87	89	*82	*90	86	90	82	86	85	94	106	108	106	108	107	111	109
Du	13	8	12	9	9	11	14	21	20			15	22	31	29	26	20	9	8	10	15	13	12	14
Dl	7	10	10	9	10	16	6	7	13			11	13	4	10	9	10	14	10	10	10	9	11	7
Vdm	11.5	*9.0	9.0	*9.0	10.0	*10.0	9.0	*8.5	8.0	*8.0	*5.0	*5.0	*8.0	*7.0	*6.0	*5.0	6.0	*5.5	9.5	*8.0	8.0	*7.5	7.5	*7.0
Ldm	19.0	*16.0	15.5	*15.0	17.0	*17.0	15.5	*16.5	18.0	*15.0	*8.0	6.5	*16.0	*12.5	10.5	7.5	12.0	*9.5	16.0	*12.0	12.0	*14.5	16.0	*14.0
Fam	97	97	96	94	93	87	76	75	75	*73	75	75	75	75	73	80	87	91	90	93	94	99	95	
Du	16	10	12	7	10	14	18	9	14		14	16	17	18	17	18	19	12	15	13	16	12	13	15
Dl	6	11	10	11	12	11	5	4	4		4	3	4	4	4	2	7	11	13	11	9	13	12	12
Vdm	6.5	7.5	7.0	*10.0	9.0	*8.5	5.0	*4.5	5.0	*6.0	*6.0	*4.0	5.0	*4.5	5.0	*4.0	5.0	*4.0	10.0	*6.0	7.0	8.5	10.0	7.5
Ldm	13.0	16.0	13.5	*18.0	15.5	*15.0	9.0	*8.0	8.5	*11.0	*11.0	7.0	9.0	*7.0	9.0	*7.0	10.0	*8.0	17.5	*10.0	12.0	13.5	15.5	16.5
Fam	87	83	83	80	87	87	80	79	79	*77	77	77	79	75	77	81	85	85	89	89	90	94	93	87
Du	8	8	10	8	5	4	5	6	10		5	5	2	6	6	4	3	8	7	6	9	3	6	11
Dl	6	7	9	6	9	4	7	6	8		3	9	5	4	6	4	6	4	5	4	4	9	6	4
Vdm	5.0	*4.5	7.0	*4.5	4.0	*5.5	3.0	*4.0	*3.0	*3.0	*2.5	*4.0	3.0	4.0	4.0	*2.5	5.0	*6.0	*5.0	*4.0	4.0	*5.0	*4.0	*4.5
Ldm	12.0	*10.0	14.5	*10.0	9.0	*10.0	*7.5	*7.0	*6.0		*5.5	*4.0	7.0	6.0	6.5	*4.5	*8.0	11.0	11.0	7.5	8.0	*10.0	8.5	10.0
Fam	52	57	53	54	*53	53	49	49	*48	*48	*49	49	*49	49	*49	50	*49	52	51	53	*53	54	*53	56
Du	15	11	12	12		11	10	3				2		5		3		13	6	15		16		13
Dl	5	7	6	7		6	2	3				3		2		4		5	4	6		4		7
Vdm	4.5	4.5	*5.0	4.0	*3.5	4.0	*4.0	5.0	*2.5	*5.5	*2.0	*3.0	*3.0	3.5	*3.0	*3.0	*3.0	*4.0	*3.0	*4.0	*3.5	*4.0	*3.0	4.0
Ldm	8.0	8.0	*8.0	7.0	*8.0	8.0	*6.0	8.0	*4.5	*8.0	*3.0	5.0	*4.0	5.5	*4.5	*4.0	5.0	7.5	5.5	9.0	7.5	9.0	6.0	9.5
Fam	51	51	51	52	51	53	48	44	*39	*38	*39	39	*40	41	*41	41	45	47	49	49	51	57	*49	51
Du	12	10	12	11	10	6	5	3				5		2		4	6	9	4	10	4	6		8
Dl	7	7	4	5	3	9	6	3				4		4		4	3	5	5	4	5	6		5
Vdm	*3.5	4.5	*3.0	*5.0	*4.0	4.0	*2.0	*2.0	*1.0	*2.0	*2.5	*2.5	*2.0	2.5	*2.5	*2.0	*1.0	3.5	*2.5	*4.0	*3.5	*3.0	*2.0	*5.0
Ldm	*7.0	9.5	*6.0	*10.0	*6.5	8.0	5.0	5.0	3.0	4.0	*4.5	4.0	3.5	4.5	*5.0	*4.0	3.0	7.0	*6.0	8.5	7.0	*6.5	5.0	9.5
Fam	43	43	45	44	43	44	39	39	*33	*32	*28	29	*29	31	*33	37	41	42	43	43	44	45	44	46
Du	4	6	4	5	4	2	6	3				4		4		3	6	7	4	7	3	3	3	5
Dl	4	6	8	5	4	9	6	6				4		3		5	5	2	3	2	5	3	4	5
Vdm	*3.5	*4.0	*2.5	*4.0		*6.0	*2.0	3.0	*2.0	*3.0	*3.0	*3.5	*3.5	*4.0	*3.5	*3.5	*4.5	*4.0	*2.5	*2.5	*5.0	*4.0	*4.0	*4.0
Ldm	*7.0	8.0	*6.0	*8.0		10.0	4.0	6.0	3.5	5.0	*4.0	5.5	5.0	7.0	6.0	7.0	7.5	7.0	5.0	5.0	8.0	8.0	*7.0	7.5
Fam	*26	23	*24	23	*24	24	*26	27	*30	*27	*29	27	*29	30	*32	31	*34	31	*34	30	*26	24	*24	23
Du		5		2		4		7				4		6		3		6		5		4		4
Dl		3		1		2		2				3		3		2		2		4		3		1
Vdm	*1.5	*2.0	*1.0	2.0	*2.0	2.5	*2.0	*2.0	*1.0	*2.5	*1.0	*2.0	1.5	*3.0	*1.0	*2.0	*2.0	*2.0	*2.0	*2.0	*2.0	*2.0	*1.5	1.5
Ldm	*2.5	*3.5	*3.0	3.5	*3.5	*4.5	3.0	4.0	*3.0	*4.5	*3.0	3.5	*3.5	*5.5	*2.0	*4.0	*4.0	*4.0	*4.0	*5.0	*4.0	*3.5	*3.0	3.0



# RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month December 19 57

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F <sub>am</sub>	121	121	121	121	123	121	119	117	109	*103	99	103	102	103	104	103	103	109	117	117	119	119	121	119
D <sub>u</sub>	4	4	6	6	5	7	8	4	6		22	10	15	16	20	23	20	12	9	12	11	11	8	10
D <sub>ℓ</sub>	6	4	3	4	7	6	4	6	4		2	8	5	8	9	7	4	5	7	6	8	7	8	4
V <sub>dm</sub>	9.0	10.0	9.0	9.5	10.0	11.0	11.5	11.5	11.0	10.0	10.5	9.6	11.0	9.0	11.5	11.5	12.0	9.0	9.0	10.0	9.0	9.5	10.0	9.0
L <sub>dm</sub>	17.0	17.0	16.0	17.5	19.0	19.0	20.5	19.5	18.5	17.0	18.5	16.0	18.0	17.0	18.5	21.5	19.0	17.0	16.0	17.5	17.0	17.0	17.0	17.5
	113 kc																							
F <sub>am</sub>	103	103	102	101	101	95	91	83	77	77	77	77	77	77	77	81	87	95	99	100	101	101	103	103
D <sub>u</sub>	5	6	7	9	10	14	11	11	16		20	8	9	16	22	18	13	12	13	15	14	14	10	9
D <sub>ℓ</sub>	6	7	7	6	6	4	5	4	2		3	2	2	3	2	6	6	5	7	7	6	6	8	6
V <sub>dm</sub>	5.5	6.5	7.0	7.5	9.0	7.0	9.0	6.5	3.0	4.0	3.0	3.0	3.0	3.0	3.5	3.5	4.0	7.0	6.0	6.0	6.5	6.5	6.0	6.5
L <sub>dm</sub>	10.0	11.0	12.5	14.0	14.5	10.0	15.0	11.5	7.5	*6.0	5.0	5.0	5.0	5.5	6.0	6.0	8.5	10.5	12.0	11.0	13.0	10.5	11.0	12.0
	246 kc																							
F <sub>am</sub>	86	84	84	84	80	76	74	74	74	*72	74	74	74	74	74	74	74	76	78	82	82	85	86	86
D <sub>u</sub>	5	10	9	12	12	14	11	10	12		11	9	10	9	11	8	10	15	19	16	16	11	13	13
D <sub>ℓ</sub>	4	4	6	6	4	2	2	2	2		2	2	2	3	2	2	1	2	3	8	5	7	8	5
V <sub>dm</sub>	5.0	5.0	6.0	6.0	5.0	5.0	3.5	4.0	4.0	*4.0	4.0	4.0	4.0	4.0	3.5	3.0	3.5	4.0	4.0	5.0	6.0	5.5	5.0	5.5
L <sub>dm</sub>	9.5	9.5	10.0	10.5	10.0	10.0	6.5	8.0	7.0	*8.0	8.0	7.0	8.5	7.5	6.0	7.0	6.5	8.0	8.0	8.5	10.0	10.5	8.5	11.5
	545 kc																							
F <sub>am</sub>	82	78	78	78	82	88	82	81	82	80	82	80	80	80	82	84	84	82	88	86	88	92	90	86
D <sub>u</sub>	4	6	2	6	6	6	6	6	5	4	6	5	4	4	4	4	6	4	5	6	7	4	6	6
D <sub>ℓ</sub>	4	4	7	6	7	6	7	6	7	6	8	7	2	6	4	6	4	3	6	6	4	2	3	5
V <sub>dm</sub>	*4.0	5.0	4.0	5.5	*4.0	3.0	3.0	3.0	*2.0	3.5	*4.0	2.5	4.0	3.0	3.0	2.0	*3.0	4.0	*2.0	3.0	3.0	3.0	3.5	*2.0
L <sub>dm</sub>	*9.5	9.0	7.0	9.0	*8.0	6.0	6.0	5.0	*4.0	*5.0	*7.5	5.0	7.0	6.0	6.0	5.5	*7.5	7.0	*5.0	6.5	7.0	7.0	8.0	*5.0
	2.5 Mc																							
F <sub>am</sub>	50	50	50	50	50	48	48	48	48	*46	48	48	48	48	48	48	48	48	50	50	50	50	50	50
D <sub>u</sub>	7	6	6	5	5	8	8	3	4		1	4	2	2	4	4	2	4	6	8	8	16	7	6
D <sub>ℓ</sub>	2	2	2	2	2	2	2	3	3		4	2	2	2	2	2	2	0	2	2	2	2	2	2
V <sub>dm</sub>	3.0	3.5	3.0	3.0	3.0	3.0	2.5	2.0	2.0	*2.0	*2.0	2.5	2.0	2.0	3.0	2.5	2.5	2.0	2.0	3.0	3.0	2.0	2.5	3.0
L <sub>dm</sub>	4.5	6.0	4.0	5.0	5.0	4.5	5.0	3.0	3.0	*2.0	*3.0	3.5	3.0	4.5	3.0	3.0	2.5	3.0	3.0	4.0	4.0	3.5	4.0	4.0
	5 Mc																							
F <sub>am</sub>	48	48	50	50	50	50	48	48	40	*40	40	40	40	40	40	42	42	46	46	48	47	48	48	48
D <sub>u</sub>	7	6	4	4	4	6	6	4	2		2	2	2	2	2	0	5	7	8	5	6	6	6	6
D <sub>ℓ</sub>	3	2	4	4	4	4	3	5	2		2	2	1	0	0	2	2	4	4	4	3	4	4	4
V <sub>dm</sub>	5.0	5.0	5.0	*3.0	*2.5	3.0	3.0	2.5	2.0	*2.0	2.5	2.0	2.5	2.0	2.0	2.0	2.5	3.5	3.5	4.5	3.0	*5.5	*3.0	*3.0
L <sub>dm</sub>	9.0	8.0	9.5	*6.0	*4.5	5.0	5.5	5.0	3.0	*3.0	4.0	4.0	3.5	4.0	3.5	3.5	4.0	5.0	6.0	7.0	4.5	*9.0	*4.0	6.0
	10 Mc																							
F <sub>am</sub>	42	42	42	42	42	38	38	36	32	*30	26	28	28	30	32	36	40	40	42	42	42	44	42	43
D <sub>u</sub>	5	4	3	4	2	4	5	3	4		7	4	4	2	2	4	3	5	5	3	2	1	3	3
D <sub>ℓ</sub>	2	3	4	2	4	2	4	2	2		2	2	2	4	4	4	4	2	4	2	2	4	2	3
V <sub>dm</sub>	5.0	*5.0	*6.0	5.0	*5.0	*4.0	*3.0	3.5	3.5	*2.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.0	*6.0	4.0	*5.0	*4.5	*5.0	5.0
L <sub>dm</sub>	9.0	*7.5	*9.5	8.0	*7.0	*7.0	*6.0	5.0	5.0	*3.0	4.5	3.5	5.0	3.5	5.0	6.0	6.0	5.0	*9.0	7.5	*8.0	*7.5	8.0	6.0
	20 Mc																							
F <sub>am</sub>	24	24	24	24	24	24	26	26	28	26	26	26	26	28	28	28	30	28	28	26	24	24	24	22
D <sub>u</sub>	3	6	4	5	3	3	4	4	5	8	4	6	6	4	4	4	4	5	6	3	5	3	3	4
D <sub>ℓ</sub>	2	2	2	2	2	2	2	0	2	0	2	2	2	2	0	2	2	1	4	2	2	2	2	0
V <sub>dm</sub>	2.0	2.0	2.5	2.0	1.5	2.0	2.5	*3.0	*2.5	*3.0	3.5	2.5	*3.5	3.0	2.5	2.0	3.0	2.5	2.0	2.5	2.5	2.0	2.0	2.0
L <sub>dm</sub>	3.0	3.5	3.0	3.0	3.0	2.5	4.0	*4.0	*4.0	*4.0	5.0	4.0	5.0	4.5	4.5	4.0	4.5	4.0	4.0	3.5	4.0	3.5	3.0	3.0

# RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month January 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F <sub>am</sub>	120	122	122	124	122	122	120	120	114	104	102	102	102	102	104	102	106	110	116	120	118	120	120	120
D <sub>u</sub>	10	9	9	6	7	8	8	4	6	9	10	11	14	7	11	12	9	10	8	4	8	8	6	10
D <sub>ℓ</sub>	6	6	4	8	4	4	4	8	8	4	10	8	8	8	10	8	11	8	12	10	8	8	8	8
V <sub>dm</sub>	11.5	10.0	11.0	9.0	10.0	9.5	11.0	10.0	12.5	12.0	*13.0	12.0	13.0	12.5	12.0	13.5	12.5	12.5	11.0	11.0	11.0	10.0	10.5	11.0
L <sub>dm</sub>	18.0	16.5	19.0	15.0	16.5	16.0	19.0	18.0	20.0	20.0	*19.0	20.0	20.0	19.0	19.5	21.0	20.5	20.0	17.5	18.0	17.5	16.5	19.0	18.0
	113 kc																							
F <sub>am</sub>	102	100	101	102	102	98	92	86	82	76	76	76	76	76	80	80	84	92	98	100	102	98	100	100
D <sub>u</sub>	15	17	15	14	14	15	13	8	11	15	16	15	18	14	13	15	12	9	12	10	10	12	10	14
D <sub>ℓ</sub>	6	4	5	6	8	8	4	4	8	2	2	4	4	4	6	6	6	1	8	6	10	6	6	6
V <sub>dm</sub>	7.5	8.0	8.0	9.0	9.0	7.0	11.0	10.0	6.5	*3.5	*7.5	*5.0	*4.0	3.0	3.5	4.5	6.0	6.0	8.0	8.0	9.0	8.0	8.0	8.0
L <sub>dm</sub>	11.0	12.0	15.0	14.0	14.0	14.0	18.5	16.0	10.0	*6.0	*11.5	*8.0	*6.0	5.0	6.0	9.0	9.0	7.5	11.5	13.0	14.0	13.0	10.5	13.0
	246 kc																							
F <sub>am</sub>	85	85	83	83	84	77	75	73	73	73	71	73	73	73	73	73	73	73	79	81	85	83	85	85
D <sub>u</sub>	17	19	19	19	16	19	10	2	2	2	4	2	4	2	2	7	10	19	16	16	14	16	12	15
D <sub>ℓ</sub>	8	6	5	6	9	4	4	2	4	3	1	4	4	4	4	2	2	0	6	8	10	8	10	8
V <sub>dm</sub>	8.0	9.5	*8.0	7.0	6.0	6.0	*9.5	5.0	7.0	*4.0	*4.5	5.0	4.0	5.0	4.0	*4.0	4.0	7.5	*6.5	6.0	*7.5	7.5	6.0	*6.0
L <sub>dm</sub>	16.0	15.5	*13.0	13.5	12.0	11.5	*13.5	8.0	10.0	*7.0	*8.0	8.0	7.5	8.0	7.0	7.0	8.0	11.0	*11.0	10.0	12.5	12.0	11.0	*9.5
	545 kc																							
F <sub>am</sub>	77	75	73	73	79	85	81	81	81	75	77	75	75	75	77	79	85	79	87	83	87	91	89	85
D <sub>u</sub>	9	9	6	10	9	8	6	4	6	9	3	6	4	8	8	8	3	4	2	6	6	4	4	8
D <sub>ℓ</sub>	6	7	9	6	5	4	8	13	8	10	17	10	9	8	23	6	29	6	11	12	6	6	6	6
V <sub>dm</sub>	*4.0	*3.5	*5.0	4.0	*4.0	*3.0	*3.0				*2.0	*2.0	*4.5	2.0	*2.0	*1.0	*4.5	*3.5	*2.0	2.5	*3.5	*2.5	*3.5	3.0
L <sub>dm</sub>	*8.0	*7.5	9.0	7.5	10.0	*7.5	5.5				*6.0	4.0	7.0	4.0	*3.0	*3.0	*8.5	*8.0	*6.0	6.0	*7.0	*5.5	*6.5	6.0
	2.5 Mc																							
F <sub>am</sub>	52	51	51	52	52	50	50	48	48	46	46	48	48	48	48	48	48	48	50	50	50	50	51	51
D <sub>u</sub>	10	10	7	5	5	9	7	4	0	2	2	0	2	2	2	2	2	3	5	7	9	11	11	9
D <sub>ℓ</sub>	3	2	2	4	4	2	2	1	2	2	2	3	2	2	2	2	2	2	3	3	2	2	3	3
V <sub>dm</sub>	2.5	3.0	2.5	3.0	3.5	3.0	2.0	3.5	2.0	2.0	*2.0	1.5	2.0	1.5	1.5	1.5	2.0	1.5	3.0	2.5	3.0	3.0	2.5	3.0
L <sub>dm</sub>	4.5	5.5	5.0	6.0	6.0	5.0	4.5	5.5	4.0	4.0	*3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.5	4.5	5.5	4.5	5.5
	5 Mc																							
F <sub>am</sub>	50	51	51	51	51	49	48	45	37	37	37	37	37	37	39	39	39	45	47	49	50	49	49	49
D <sub>u</sub>	7	7	4	3	3	4	6	5	2	2	2	2	2	2	0	0	2	7	6	6	6	6	6	5
D <sub>ℓ</sub>	3	4	2	3	4	3	4	3	2	2	2	2	0	0	4	2	2	4	2	4	4	2	3	3
V <sub>dm</sub>	*3.0	*4.0	*4.0	*5.0	*6.0	*4.5	*4.5	3.0	2.0	2.0	2.0	2.0	2.0	1.0	2.5	2.0	*2.5	*2.0	*3.0	*3.0	*2.0	3.5	*4.5	*4.0
L <sub>dm</sub>	6.5	8.0	8.5	10.0	10.0	*7.5	7.0	5.5	4.5	4.0	4.0	4.0	4.0	3.0	4.0	4.0	4.0	5.5	4.5	5.0	6.5	6.0	7.5	7.0
	10 Mc																							
F <sub>am</sub>	43	42	43	41	41	41	39	37	33	29	25	25	25	27	29	35	39	41	43	43	43	43	43	43
D <sub>u</sub>	2	4	2	4	3	2	4	2	2	4	2	2	2	2	4	2	2	3	2	3	3	4	4	4
D <sub>ℓ</sub>	2	3	4	4	5	4	4	3	2	2	2	2	2	2	2	4	2	3	2	2	2	2	2	2
V <sub>dm</sub>	*3.5	*5.0	*5.0	*8.5	*6.0	*5.0	*3.0	*4.5	*3.5	2.5	*1.5	2.0	3.0	3.0	*3.0	*3.0	*7.0	*4.0	*2.0	*5.0	*5.0	*6.5	*5.0	*4.5
L <sub>dm</sub>	*6.0	8.0	9.0	10.0	*8.5	8.0	6.5	7.5	5.0	5.0	3.0	4.0	4.0	4.0	*4.0	5.0	10.5	7.0	4.0	*8.0	8.5	10.0	8.5	8.5
	20 Mc																							
F <sub>am</sub>	23	23	23	23	23	23	25	27	29	27	27	27	27	29	29	29	31	29	28	27	25	25	23	23
D <sub>u</sub>	3	2	2	2	2	2	2	2	2	5	4	2	2	2	2	4	4	0	4	3	4	3	2	2
D <sub>ℓ</sub>	2	2	0	0	0	0	2	2	4	4	4	2	2	2	2	2	2	4	2	1	2	2	2	2
V <sub>dm</sub>	2.0	2.0	2.0	2.0	1.5	2.0	2.0	2.0	2.5	2.5	*3.0	2.0	3.0	3.5	3.5	2.0	2.5	3.0	4.5	3.0	3.0	2.5	2.0	2.0
L <sub>dm</sub>	3.0	3.0	3.0	3.0	3.0	4.0	4.0	3.5	4.5	5.0	*5.0	4.0	5.5	5.0	5.5	5.0	4.5	5.0	5.0	4.5	5.5	5.0	3.5	4.0



# RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month February 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F <sub>am</sub>	120	118	118	118	124	124	118	120	124	*114	115	114	116	114	118	118	122	122	128	126	130	130	130	124
D <sub>u</sub>	14	16	12	10	6	10	8	10	8		4	6	6	14	12	10	6	4	6	6	6	8	6	12
D <sub>ℓ</sub>	6	6	10	10	6	4	6	8	10		2	4	14	4	6	2	10	6	6	8	6	8	6	4
V <sub>dm</sub>	10.0	10.5	10.5	10.0	11.5	12.0	12.0	13.5	12.0	*11.5	*11.0	*12.5	13.0	13.0	12.5	*13.0	13.5	12.0	11.0	11.0	10.0	11.0	11.0	11.0
L <sub>dm</sub>	18.0	19.0	18.5	18.5	20.0	20.0	18.5	21.5	20.0	*17.5	*17.0	*19.0	20.0	20.5	20.5	*18.0	21.0	21.0	18.5	19.0	18.0	18.0	17.0	18.5
	113 kc																							
F <sub>am</sub>	104	106	104	106	106	100	91	86	84	82	78	81	84	88	86	90	90	98	101	104	103	103	104	104
D <sub>u</sub>	14	12	14	10	6	16	13	8	18	8	14	11	14	14	18	20	16	14	15	12	17	17	16	16
D <sub>ℓ</sub>	8	10	10	12	14	14	7	10	10	8	6	6	10	14	12	14	10	8	9	10	9	7	8	6
V <sub>dm</sub>	7.5	9.0	9.5	9.0	10.0	*12.0	10.0	10.0	*9.0	*9.0	*9.0	*6.0	*12.0	11.5	*11.0	*11.0	11.0	9.0	9.5	9.0	9.0	10.5	9.0	9.0
L <sub>dm</sub>	14.0	15.0	15.0	15.0	17.5	*17.0	13.5	14.0	*12.0	*12.0	13.0	*9.0	*20.0	16.5	*17.0	*19.0	17.0	14.5	15.0	15.0	14.0	17.0	15.0	14.5
	246 kc																							
F <sub>am</sub>	90	86	86	86	87	81	73	72	72	*72	72	72	72	72	74	72	74	80	87	86	86	88	88	90
D <sub>u</sub>	18	21	18	16	11	17	15	4	6		4	4	6	6	12	12	16	20	15	18	18	16	18	18
D <sub>ℓ</sub>	10	8	8	12	13	11	3	4	4		4	2	4	4	6	2	6	10	15	8	8	8	4	10
V <sub>dm</sub>	7.0	7.0	8.0	8.5	9.0	8.5	7.5	6.0	5.0	3.5	4.5	5.0	7.0	4.5	8.0	4.0	7.0	8.0	8.0	9.0	8.5	9.0	9.0	8.0
L <sub>dm</sub>	11.0	10.5	12.0	14.0	16.0	*13.5	*11.0	8.5	*7.5	*5.0	8.0	7.5	10.0	7.0	13.0	6.0	11.0	13.0	16.0	15.5	12.0	15.5	14.0	15.0
	545 kc																							
F <sub>am</sub>	80	82	80	82	82	80	78	75	68	64	64	66	70	71	72	68	72	78	80	81	81	82	82	82
D <sub>u</sub>	14	10	12	8	6	8	4	5	8	7	8	12	10	13	10	18	10	12	14	11	13	10	12	12
D <sub>ℓ</sub>	4	6	4	4	4	4	4	5	2	5	10	9	12	7	16	10	10	10	10	11	5	6	6	6
V <sub>dm</sub>	6.5	*5.0	5.0	6.0	*3.0	*4.0	*4.5	*4.0	*2.0	*4.0	3.0	2.5	*5.0	*3.0	*2.5	2.5	*2.0	5.0	*5.0	*4.0	*3.0	*4.0	*3.0	4.0
L <sub>dm</sub>	9.5	*10.0	10.0	10.0	*6.0	*7.0	*7.5	9.0	*4.0	*7.0	*5.5	4.0	*7.0	*5.5	*4.0	4.5	*6.5	9.0	*8.5	*7.0	*6.0	*7.0	*7.0	8.0
	2.5 Mc																							
F <sub>am</sub>	52	52	54	54	54	50	49	47	46	46	46	46	46	46	46	46	48	48	52	53	52	52	53	53
D <sub>u</sub>	13	15	11	10	9	10	6	4	3	2	2	2	2	2	2	4	0	3	7	12	13	11	9	9
D <sub>ℓ</sub>	6	6	6	8	7	5	3	4	5	3	4	4	2	2	2	2	4	4	6	7	6	6	7	6
V <sub>dm</sub>	4.0	4.5	*4.5	4.0	4.5	4.0	4.0	4.0	2.5	2.5	2.5	3.0	2.5	2.5	3.0	2.5	3.0	3.0	4.0	4.0	4.0	5.0	*3.5	5.0
L <sub>dm</sub>	6.0	8.0	*7.5	7.0	7.0	7.0	6.5	6.5	5.0	4.0	4.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	7.0	6.5	7.5	8.0	*6.0	7.5
	5 Mc																							
F <sub>am</sub>	53	53	54	54	54	52	51	42	36	36	*36	36	36	38	38	38	40	45	50	52	53	54	53	54
D <sub>u</sub>	8	7	6	6	4	6	5	8	4	2		4	4	2	4	4	4	10	10	8	6	6	7	8
D <sub>ℓ</sub>	7	7	7	7	6	6	6	4	4	6		2	2	4	4	4	4	5	8	8	7	8	7	8
V <sub>dm</sub>	6.0	7.0	5.0	5.0	6.0	6.0	4.0	4.0	2.5	3.0	3.0	3.0	2.5	3.0	2.5	2.5	2.5	4.0	5.0	5.0	5.0	5.5	7.0	6.0
L <sub>dm</sub>	11.0	11.0	10.0	10.0	10.0	11.0	8.0	7.0	5.0	5.0	5.0	5.0	4.0	4.5	4.0	5.0	4.0	8.0	9.0	8.0	10.0	10.5	12.0	10.0
	10 Mc																							
F <sub>am</sub>	44	45	44	44	44	39	40	38	32	*28	26	26	26	28	30	35	38	44	44	46	45	46	45	46
D <sub>u</sub>	4	2	3	2	3	7	4	4	4		4	4	6	6	8	7	8	5	6	4	5	2	3	2
D <sub>ℓ</sub>	3	7	5	8	7	5	5	4	4		2	2	4	4	6	5	4	4	3	6	6	5	6	7
V <sub>dm</sub>	*5.5	*5.5	*4.0	*5.0	*	*4.5	*5.0	*5.0	3.0	*3.5	4.0	3.5	3.0	3.5	3.5	*4.0	5.0	5.0	*5.0	*5.0	*5.0	*6.0	*6.0	*
L <sub>dm</sub>	*11.0	*9.0	*7.0	*8.0	*	*7.0	*9.0	*7.0	4.5	*5.5	6.0	6.0	4.5	5.0	5.0	*7.5	9.5	9.0	*9.5	*9.0	*9.5	*10.0	*11.5	*
	20 Mc																							
F <sub>am</sub>	23	23	23	23	23	25	25	27	27	*27	27	27	27	27	29	31	31	31	29	27	25	23	23	23
D <sub>u</sub>	0	0	1	2	2	0	2	5	6		5	4	4	6	4	2	2	2	7	5	4	2	2	1
D <sub>ℓ</sub>	2	1	0	1	0	2	2	3	2		3	2	4	2	4	4	4	3	2	4	2	2	2	2
V <sub>dm</sub>	2.0	2.0	1.5	1.5	2.5	2.5	3.0	3.0	2.5	*3.0	3.0	3.0	3.5	3.0	3.5	3.0	4.0	3.0	3.5	3.0	3.0	2.5	2.5	2.5
L <sub>dm</sub>	3.0	3.0	3.0	3.0	4.0	4.0	5.0	5.0	4.0	*5.0	4.5	6.0	5.0	5.0	6.0	5.0	6.0	4.5	5.5	5.0	5.0	4.0	4.0	3.5



# RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1N Long. 105.1W Type Recorder ARN-2 Month MARCH 1958

L S T																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
51 kc																									
F <sub>am</sub>	126	126	125	125	127	121	119	115	111	*113	*113	*115	116	116	*119	*117	117	119	119	120	125	125	123	125	
D <sub>u</sub>	6	6	5	6	10	4	10	8	13				13	16			14	12	14	8	11	9	11	8	
D <sub>l</sub>	7	7	4	4	8	1	6	4	8				7	6			18	16	8	7	6	7	4	6	
V <sub>dm</sub> *	11.5	10.0	11.0	11.0	9.5	13.0	11.5	9.0	10.0	11.0	13.0	8.5	9.0	10.0	7.5	11.0	7.5	8.0	7.5	8.0	8.0	9.0	9.5	7.5	
L <sub>dm</sub> *	18.0	16.0	17.0	17.5	14.5	19.5	16.0	13.5	15.5	19.5	17.5	12.5	12.5	12.0	13.0	16.0	13.0	12.0	13.0	12.0	14.0	11.0	14.0	12.0	
113 kc																									
F <sub>am</sub>	108	108	109	111	109	95	91	85	85	*84	*89	*85	91	89	*93	*89	95	99	105	109	107	109	107	109	
D <sub>u</sub>	10	9	6	7	12	14	13	18	10				16	19			14	9	14	12	16	11	13	10	
D <sub>l</sub>	5	3	6	8	10	2	8	8	10				13	12			16	18	8	7	7	9	5	8	
V <sub>dm</sub> *	11.0	10.0	10.0	9.0	11.0	13.0	12.0	8.0	8.5	9.0	8.0	8.0	8.0		12.0	10.0	14.0		6.0	7.0	9.0	8.5	8.0	9.0	
L <sub>dm</sub> *	15.5	14.0	14.0	12.5	17.0	15.5	16.0	9.5	11.0	12.5	9.0	10.0	13.0		18.0	16.0	22.0		10.0	11.0	13.5	12.0	12.0	13.0	
246 kc																									
F <sub>am</sub>	92	94	91	*92	83	76	70	70	70	*72	*70	70	74	73	*74	*72	76	79	87	94	89	88	90	90	
D <sub>u</sub>	11	10	11		13	12	12	10	8				13	8	11		26	17	16	13	18	16	17	15	
D <sub>l</sub>	6	8	7		5	4	2	2	2				4	4	3		8	9	10	14	8	8	6	4	
V <sub>dm</sub> *	8.0	10.0	6.0	8.5	10.5	12.5	10.0		9.0	12.5	8.5	6.0	8.0		9.0		6.5	10.0	6.5	8.0	6.5	11.0	7.0	12.5	
L <sub>dm</sub> *	13.0	14.0	6.5	15.0	13.0	19.0	11.0		13.0	20.0	8.5	6.0	8.0		10.5		7.0	10.0	10.5	8.0	7.0	17.0	7.0	18.0	
545 kc																									
F <sub>am</sub>	82	81	79	78	85	81	75	77	77	*73	*73	75	75	*75	*79	*81	80	72	80	85	85	89	90	89	85
D <sub>u</sub>	9	8	10	13	6	4	6	6	6				12	19			18	28	12	10	6	7	14	8	
D <sub>l</sub>	5	10	8	5	6	16	8	6	4				4	5			5	3	8	3	6	4	4	5	
V <sub>dm</sub> *	6.0	8.0	8.0	11.0	6.5				4.5				4.0				3.5	4.0	5.0	5.0	6.5	7.0	4.0	8.0	
L <sub>dm</sub> *	7.0	11.5	8.0	17.0	10.0				5.0				8.0				7.0	6.0	8.5	5.0	9.0	7.0	4.5	14.5	
2.5 Mc																									
F <sub>am</sub>	55	55	55	57	53	49	45	43	42	43	*43	45	43	45	45	45	45	45	49	53	55	55	53	55	
D <sub>u</sub>	11	12	11	8	12	13	6	4	4	4			2	4	4	4	4	4	12	15	15	15	13	13	
D <sub>l</sub>	3	4	4	7	5	4	4	6	3	4			6	2	4	6	6	4	4	3	5	6	6	4	
V <sub>dm</sub> *	6.0	*4.0	*4.5	4.0	4.0	*3.0	4.0	*2.0	1.5		*1.0		*2.0	1.5		*2.5	*1.5	*1.5	4.5	*4.0	*4.0	*6.5	*5.5	*3.5	
L <sub>dm</sub> *	9.0	*7.5	*8.5	5.0	5.5	6.0	6.0	*3.0	3.0		*4.0		*4.0	2.0		*3.5	*2.5	*3.0	5.0	*5.5	*6.0	*12.0	*9.5	*6.5	
5 Mc																									
F <sub>am</sub>	55	55	55	55	53	53	47	35	33	35	37	37	37	37	*39	39	39	43	53	53	55	55	55	55	
D <sub>u</sub>	4	4	5	6	8	5	6	6	5	4	2	4	5	5		4	4	6	7	10	6	7	6	8	
D <sub>l</sub>	4	4	3	2	3	5	6	4	5	4	4	6	4	3		8	6	3	6	5	6	6	6	4	
V <sub>dm</sub> *	4.0	*5.0	*4.5	3.5	*4.0	5.5	3.5	3.0	2.0		*2.5	*2.5	*2.0	2.0		*2.0	*3.5	5.0	*4.0	*5.0	*5.5	*5.5	*5.0	*6.0	
L <sub>dm</sub> *	7.0	*8.0	*8.0	6.5	6.5	10.0	7.0	4.0	4.0		5.0	5.0	4.0	2.5		3.0	5.0	8.0	7.5	7.5	8.0	9.5	10.5	10.0	
10 Mc																									
F <sub>am</sub>	45	45	43	43	43	41	39	33	27	27	25	25	25	27	29	32	37	43	43	45	45	45	45	45	
D <sub>u</sub>	2	2	4	5	4	5	4	5	4	4	4	2	3	6	4	7	6	4	7	5	5	6	4	2	
D <sub>l</sub>	4	4	2	2	3	2	3	5	3	8	4	4	2	4	4	4	4	4	2	4	4	4	4	4	
V <sub>dm</sub> *	5.0	*4.0	*4.0	*4.0	*4.5	*4.0	*4.0	*4.0	3.0	3.0	*2.0	3.0	*2.5	*4.5		*5.0	*4.0	4.0	5.5	5.0	*5.0	*4.5	*4.0	*4.5	
L <sub>dm</sub> *	7.0	6.5	7.0	6.0	7.5	7.5	6.5	5.0	4.5	6.0	4.0	5.0	4.0	5.0		7.5	5.0	7.0	8.0	7.5	8.0	6.0	5.5	8.0	
20 Mc																									
F <sub>am</sub>	23	23	23	23	23	25	26	27	26	*25	24	26	27	26	*25	29	30	31	29	27	25	25	23	23	
D <sub>u</sub>	2	2	2	2	3	2	5	4	5		6	5	7	6		4	3	6	5	6	8	5	2	4	
D <sub>l</sub>	2	1	2	2	2	2	3	4	4		3	5	5	5		4	4	4	2	5	4	4	2	2	
V <sub>dm</sub> *	2.0	1.5	1.5	1.5	1.0	1.5	2.5	2.5	*3.0	*4.5	*7.5	*3.5	*3.0	*3.5	*9.5	*3.5	*2.0	*2.5	3.0	3.0	*2.5	*1.0	*2.0	*2.0	
L <sub>dm</sub> *	3.5	3.0	2.5	2.0	3.0	3.0	4.0	4.0	5.0	8.0	11.0	6.0	5.0	4.0	11.0	4.5	3.0	4.5	5.0	4.0	3.0	2.0	2.0	2.0	

# RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1N Long. 106.1W Type Recorder ARN-2 Month APRIL 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
Fam	130	128	128	130	126	122	122	116	116	*118	*114	122	122	120	120	121	123	118	129	130	130	132	128	128
Du	9	11	9	6	6	9	7	12	12			9	10	13	13	9	10	15	6	9	13	12	15	11
Dl	12	9	7	11	12	7	12	11	9			11	11	15	5	11	12	9	17	10	6	9	6	6
Vdm																								
Ldm																								
113 kc																								
Fam	118	116	118	118	110	105	103	104	99	*101	*106	100	102	106	102	105	106	112	114	118	120	118	118	118
Du	8	10	8	6	13	9	8	6	10		9	16	14	14	23	19	20	16	16	12	10	12	10	10
Dl	16	12	14	15	13	18	18	22	23		23	13	18	18	14	22	16	22	14	10	10	10	11	12
Vdm																								
Ldm																								
246 kc																								
Fam	102	101	104	104	92	82	78	77	78	*84	*78	80	84	83	82	84	87	89	100	106	105	102	102	104
Du	9	12	5	5	11	8	14	18	13			14	13	19	26	25	23	23	14	10	10	16	11	11
Dl	20	15	17	23	14	11	7	5	6			7	11	10	9	10	13	13	15	14	18	10	5	20
Vdm																								
Ldm																								
545 kc																								
Fam	91	88	90	88	78	78	74	82	*81	*72	75	76	77	76	79	77	76	74	82	86	90	90	92	92
Du	5	6	5	6	12	7	8	2			5	9	4	8	13	11	14	28	20	21	14	15	12	9
Dl	14	11	14	16	10	9	8	9			3	6	6	4	5	3	8	6	10	4	3	4	4	9
Vdm																								
Ldm																								
2.5 Mc																								
Fam	61	63	63	65	61	51	45	45	47	*43	*43	46	45	47	45	47	47	48	57	66	68	65	64	63
Du	9	7	6	6	7	6	8	7	8			5	4	4	4	7	2	7	8	5	3	7	7	8
Dl	6	6	8	10	11	5	6	5	8			5	5	6	4	6	7	6	7	13	13	11	7	7
Vdm	4.5	4.5	3.0	4.0	3.5		3.0	2.5	1.5	2.0	2.0	2.0	1.5	2.0	2.0	2.0	2.0	2.0	4.0	5.5	4.0	4.5	4.5	4.0
Ldm	6.5	8.5	6.5	7.0	5.0		5.0	3.0	2.0	3.5	3.0	2.0	2.0	2.0	2.5	3.0	3.5	3.5	7.0	10.0	6.5	6.5	7.0	7.0
5 Mc																								
Fam	60	59	60	60	58	49	41	38	38	*36	37	36	38	39	39	40	44	48	58	60	61	60	59	59
Du	5	6	5	3	5	10	10	6	6		7	8	6	5	6	7	4	10	8	8	5	6	7	5
Dl	6	6	6	6	6	5	6	7	8		10	2	4	9	7	9	10	8	8	6	5	5	3	5
Vdm	5.0	4.0		4.5	3.0		2.5	2.0	1.0	1.5	2.0	2.0	3.0	2.5	3.5	3.0	4.0	5.0	6.0	6.0	6.0	5.0	5.0	5.5
Ldm	9.0	7.0		7.0	5.0		6.0	5.0	4.0	4.5	4.5	3.0	4.5	4.0	4.5	5.0	6.5	10.0	11.0	11.0	10.0	10.0	10.0	10.5
10 Mc																								
Fam	47	47	45	45	44	43	39	33	28	*27	*27	26	27	31	35	38	43	45	49	49	47	47	47	45
Du	4	3	5	6	6	3	4	6	7			8	9	6	7	3	4	5	4	4	4	4	5	4
Dl	5	7	4	5	5	6	6	2	2			2	3	7	9	9	9	4	4	6	4	5	5	4
Vdm		3.5	4.5	4.0	3.0	4.0	3.5	1.5	3.0	4.5	3.0	3.5	3.0	4.5	5.0	5.5	5.0	5.0	5.0	5.0	4.5	4.0	4.0	4.5
Ldm		6.0	7.5	7.0	6.0	6.0	5.0	3.0	5.0	9.0	6.5	7.0	5.5	7.5	7.0	9.0	9.0	8.5	9.0	10.0	8.0	9.0	7.0	9.0
20 Mc																								
Fam	24	24	24	24	24	26	26	25	24	*26	*25	24	24	24	28	28	28	30	28	26	24	24	24	24
Du	2	4	4	4	3	4	5	8	7			7	7	8	5	5	8	6	6	6	6	8	6	6
Dl	0	1	2	1	1	2	4	3	2			4	3	2	6	6	4	6	5	4	2	2	2	2
Vdm	1.5	2.0	1.5	2.0	2.5	1.5	3.0	2.5	2.5	2.5		4.0	2.5	2.0	2.5	3.0	2.5	3.0	3.0	4.0	2.5	2.5	2.5	2.5
Ldm	3.0	4.0	3.0	3.5	4.0	3.0	5.0	5.0	4.5	6.0		6.0	4.0	4.5	3.0	5.5	4.5	6.0	5.0	6.0	3.5	4.0	3.0	4.0

# RADIO NOISE DATA

Station BOULDER, COLO. Lat. 40.1N Long. 106.1W Type Recorder ARN-2 Month MAY 1958

	L S T																				
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
51 kc																					
Fam	137	136	137	136	131	130	128	124	124	*126	*126	132	132	136	136	140	144	142	142	142	144
Du	6	7	5	5	7	7	9	11	8			11	12	9	10	13	7	6	4	6	5
Dl	7	6	4	7	11	7	10	10	4			6	6	6	5	6	14	10	9	14	12
Vdm *	130	120	130	140	130	135	150	145	145	130	160	150	145	130	125	110	115	110	130	125	120
Ldm *	215	200	210	225	220	235	250	250	240	280	245	230	225	210	200	190	200	200	210	200	195
113 kc																					
Fam	123	123	121	121	113	109	114	111	108	*109	*109	114	117	124	123	129	129	129	129	129	129
Du	8	6	8	8	10	12	6	12	13			12	9	11	10	11	12	6	6	4	6
Dl	8	12	6	7	11	13	17	26	19			12	12	11	8	9	11	13	12	10	8
Vdm *	125	125	120	140	145	130	140	140	150	175	150	150	140	130	120	130	120	125	120	125	115
Ldm *	215	220	210	250	250	250	255	260	260	280	260	250	235	240	210	205	210	210	215	210	220
246 kc																					
Fam	109	107	106	107	95	93	99	93	83	*93	*93	99	108	113	111	117	118	116	119	116	116
Du	6	8	9	5	12	14	8	16	22			11	9	16	10	17	8	8	6	13	5
Dl	12	8	7	9	12	22	18	20	8			22	17	15	14	14	15	17	16	12	7
Vdm *	115	120	105	140	145	125	135	145	120	155	160	140	130	120	120	105	110	115	110	110	120
Ldm *	205	220	210	230	245	230	240	240	185	240	270	265	240	220	215	200	210	215	210	205	200
545 kc																					
Fam	88	89	88	84	72	78	74	80	*80	*73	*79	83	90	98	99	101	102	101	102	98	100
Du	9	7	8	6	10	8	10	4				19	13	16	9	17	8	9	9	10	6
Dl	4	6	6	15	6	12	4	12				11	6	19	22	16	19	17	13	8	12
Vdm *	110	120	110	105	90	90	85	110	95	90	120	160	130	140	120	140	125	110	110	120	120
Ldm *	210	220	200	210	190	160	140	195	175	170	185	250	235	235	215	230	220	210	210	215	190
2.5 Mc																					
Fam	72	70	70	68	64	50	44	44	46	*46	*46	48	50	58	52	61	64	52	64	69	74
Du	4	6	6	6	8	11	11	4	2			19	21	19	23	23	24	20	14	7	4
Dl	12	10	7	4	14	9	7	6	3			2	4	12	15	12	14	14	12	5	10
Vdm *	60	60	65	65	75	50	25	65	25	05	20	15	70	95	105	80	75	60	50	60	60
Ldm *	120	110	125	135	125	90	70	95	55	50	30	20	100	155	160	130	130	110	110	110	90
5 Mc																					
Fam	62	62	62	60	58	49	42	43	42	*42	*42	44	44	46	48	56	52	54	59	62	64
Du	6	6	2	4	4	7	10	4	2			2	5	12	18	16	18	20	12	5	4
Dl	6	5	4	4	6	7	3	6	6			4	5	4	2	4	12	6	8	5	4
Vdm *	70	65	*60	55	*60	*55	*60	*20	*35	*20	*20	*20	*55	*100	*95	*80	*75	*60	*50	*50	*50
Ldm *	115	120	110	105	110	100	90	70	80	50	35	35	85	150	150	130	125	110	95	100	95
10 Mc																					
Fam	45	43	45	43	41	39	37	35	30	*29	*29	33	36	37	41	43	45	47	49	49	51
Du	4	6	2	4	2	6	5	3	6			2	5	6	8	14	9	6	4	7	2
Dl	3	2	7	4	3	5	6	8	4			8	9	6	6	6	6	4	4	6	8
Vdm *	55	55	60	50	*45	*50	*70	*60	*50	*40	*30	*50	*75	*80	*80	*65	*50	*45	*50	*40	*50
Ldm *	90	95	45	75	75	70	75	100	85	85	60	40	120	120	120	100	120	80	75	70	75
20 Mc																					
Fam	23	23	23	23	23	25	25	25	23	*23	*23	25	27	27	27	27	29	29	29	27	25
Du	5	3	2	0	4	5	2	2	3			9	4	14	15	12	8	14	8	4	4
Dl	0	0	2	2	2	2	3	4	2			2	4	4	4	5	4	4	4	6	2
Vdm *	30	25	25	10	25	15	30	30	30	30	15	40	40	70	60	45	40	40	35	35	25
Ldm *	50	40	40	25	55	50	50	50	55	60	45	60	70	115	90	90	75	65	60	65	60



# RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1N Long. 105.1W Type Recorder ARN-2 Month JUNE 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
Fam	140	139	137	137	133	129	129	127	127	129	129	131	133	133	137	139	139	141	141	142	143	142	143	141
Du	5	6	7	4	5	7	7	8	7	8	6	8	8	12	14	8	14	6	10	4	7	6	4	6
Dℓ	11	8	8	8	6	2	4	6	7	8	2	5	5	4	8	9	8	9	10	7	11	10	9	9
Vdm	*6.0	*7.5	*9.0	*10.0	*12.0	*12.5	*12.5	*12.0	*12.0	*12.0	*11.0	*11.0	*11.0	8.5	*9.0	*10.0	*10.0	*10.0	*8.0	10.0	*10.0	*9.5	*8.0	*9.0
Ldm	*12.5	*12.5	*13.5	*17.5	*19.0	*19.5	*21.0	*22.0	*20.0	*20.0	*19.0	*17.0	*16.5	*13.5	*15.5	*14.0	*15.5	*14.0	*13.0	*15.0	*13.0	*15.5	*14.0	*16.5
113 kc																								
Fam	126	128	126	124	118	116	114	112	109	110	112	114	116	120	123	125	128	128	128	130	130	130	130	128
Du	6	4	6	5	6	8	10	10	10	10	8	10	12	12	8	12	12	12	10	6	8	6	5	5
Dℓ	2	7	6	11	9	11	8	10	10	9	8	12	12	14	12	10	11	10	6	6	9	6	7	5
Vdm	9.0	10.0	*9.5	*10.0	12.5	*14.0	*14.0	*14.5	*14.0	*12.0	11.0	10.5	11.0	9.5	10.0	12.0	10.5	11.0	12.0	10.0	9.5	9.0	8.0	9.0
Ldm	15.5	17.0	16.0	18.0	20.5	22.0	23.0	24.0	24.5	20.0	19.5	19.0	18.0	16.0	15.0	17.5	15.5	17.0	19.0	16.0	16.0	16.0	15.5	15.0
246 kc																								
Fam	112	112	110	108	104	102	98	94	90	94	94	96	98	104	109	112	116	114	116	117	116	118	116	114
Du	8	10	10	5	5	8	12	13	16	12	10	14	18	16	12	14	14	14	12	8	11	6	6	6
Dℓ	8	8	6	10	16	16	14	12	10	15	12	18	14	20	19	16	17	18	12	14	11	13	10	8
Vdm	*9.0	*10.0	*9.0	11.0	*10.5	*11.0	*12.0	*13.0	*12.0	*10.0	*10.5	10.0	*11.0	11.0	11.0	13.0	12.5	13.0	9.0	9.5	10.0	*7.0	8.0	*9.0
Ldm	*13.5	*16.0	*14.0	18.0	15.5	18.0	19.0	19.5	20.0	16.0	16.0	16.0	16.5	17.0	17.5	22.0	17.5	19.5	17.5	14.0	17.0	11.5	14.0	14.0
545 kc																								
Fam	97	95	93	88	79	83	79	84	83	73	77	79	81	93	95	98	98	101	102	101	101	101	99	98
Du	8	12	10	11	14	8	12	6	4	12	13	20	28	15	15	21	20	14	8	8	10	10	8	7
Dℓ	8	6	6	11	14	10	8	9	8	2	4	6	6	17	14	13	16	14	19	16	12	11	7	6
Vdm*	10.0	10.5	10.0	11.0	11.5	9.5	9.5	10.0	8.0	6.5	8.5	5.5	8.0	10.5	16.0	11.5	8.0	10.0	14.5	15.0	14.0	8.0	8.5	9.5
Ldm*	16.0	17.0	15.0	19.5	17.5	16.0	9.0	15.5	16.0	10.5	13.0	9.0	12.5	13.0	24.5	21.5	12.5	24.0	23.5	23.0	20.0	13.0	12.5	14.0
2.5 Mc																								
Fam	74	72	72	72	60	48	45	44	*44	*46	46	48	51	52	56	62	65	64	70	70	74	74	74	74
Du	4	6	5	6	8	12	21	14				8	19	21	26	30	28	19	23	10	10	6	4	4
Dℓ	4	1	4	8	12	4	8	4				2	3	5	4	8	14	15	16	16	12	6	2	4
Vdm*	1.0	2.0	2.0	1.5		1.5	1.0												9.0	6.0	5.5	2.0	2.0	1.0
Ldm*	6.0	8.0	8.0	7.5		7.5	5.0												15.0	13.5	12.5	8.0	7.0	6.0
5 Mc																								
Fam	64	63	61	61	57	51	43	41	*39	*41	*41	43	43	45	45	48	50	53	57	61	63	65	65	63
Du	3	6	8	6	6	7	9	6					2	12	18	22	25	25	22	6	4	11	4	6
Dℓ	5	8	4	6	7	8	6	8					2	2	4	4	4	5	5	7	3	2	4	2
Vdm*	1.0	2.0	2.0	1.0	2.0	3.5	3.5	2.5									3.5	3.5	4.5	3.5	3.0	1.0	1.5	2.0
Ldm*	7.0	8.5	7.5	7.5	9.0	10.0	9.5	8.0									5.5	7.5	10.0	9.5	9.0	7.0	7.5	7.5
10 Mc																								
Fam	44	44	44	44	42	40	36	38	*32	*32	30	31	36	36	40	44	46	48	48	50	50	50	48	46
Du	11	8	14	4	5	11	13	5				6	8	13	22	9	12	20	9	7	4	5	3	6
Dℓ	2	2	3	4	6	5	1	7				2	4	11	4	7	12	4	6	2	4	4	4	2
Vdm*		4.5	0.5			2.5	3.5	3.5				1.0				1.0	4.0	3.0	2.5	3.0	3.5	2.5	3.0	2.0
Ldm*		10.5	10.0			9.0	10.0	10.0				7.0				2.5	9.0	8.0	8.0	8.5	8.0	9.0	8.5	9.0
20 Mc																								
Fam	24	24	23	24	22	22	*23	*22	*21	22	22	22	22	24	26	28	26	26	30	28	28	28	26	24
Du	2	1	1	0	2	2				4	2	5	7	5	5	7	13	14	6	6	4	8	4	3
Dℓ	2	2	1	4	0	2				2	2	2	2	2	4	4	2	2	4	5	4	4	3	2
Vdm*																	3.5	2.5	2.5	2.0		2.5	2.0	0.5
Ldm*																	6.5	6.5	7.0	7.0		8.0	6.5	5.0

# RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1 N Long. 106.1 W Type Recorder ARN-2 Month JULY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
F <sub>om</sub>	143	141	139	137	135	131	128	127	*125	129	131	135	137	141	149	147	147	145	146	147	147	145	143	143
D <sub>u</sub>	4	6	8	8	5	5	6	8		4	4	14	16	12	12	8	7	5	5	6	6	6	8	6
D <sub>l</sub>	9	10	8	6	5	4	3	2		6	6	8	6	10	12	8	10	7	5	6	8	5	4	6
V <sub>dm</sub>	9.0	*8.5	10.0	*9.0	*12.0	12.0	14.0	*14.5	*14.0	*13.5	14.0	13.5	12.0	10.5	11.5	9.0	10.0	8.5	8.0	9.0	7.0	8.0	9.0	9.5
L <sub>dm</sub>	14.0	*16.0	17.5	*15.0	*20.0	20.5	23.0	24.0	*22.5	*22.0	23.0	23.0	20.0	18.0	18.0	15.5	16.5	14.5	13.0	14.5	13.0	14.0	14.5	15.5
113 kc																								
F <sub>om</sub>	128	126	126	126	116	115	114	112	*108	*109	115	118	122	132	134	134	134	133	134	134	132	130	130	128
D <sub>u</sub>	8	8	6	6	10	7	8	10			4	14	16	10	13	8	4	8	7	8	8	10	8	8
D <sub>l</sub>	5	6	8	8	6	9	12	12			18	10	14	14	9	10	14	10	7	8	8	6	6	6
V <sub>dm</sub>	9.0	9.0	9.5	10.0	12.5	13.0	14.5	16.5	16.0	12.5	13.0	15.5	12.5	11.5	10.5	10.0	9.0	8.0	9.5	7.5	7.0	7.5	8.0	8.5
L <sub>dm</sub>	15.5	16.5	17.0	17.5	20.0	23.0	25.0	26.0	22.5	22.0	23.5	24.5	21.0	20.5	19.0	18.0	17.5	14.5	16.0	14.0	14.0	13.0	14.5	15.0
246 kc																								
F <sub>om</sub>	114	114	112	112	104	100	98	94	*93	*94	101	106	117	120	124	124	124	122	122	122	120	118	118	116
D <sub>u</sub>	9	6	4	4	8	8	8	13			4	16	11	12	13	9	6	7	8	8	8	10	8	8
D <sub>l</sub>	7	10	6	10	10	12	14	15			17	18	19	16	16	12	19	18	9	10	6	6	8	10
V <sub>dm</sub>	8.5	8.5	9.0	10.0	11.5	14.0	*12.0	13.0	15.0	14.0	14.0	13.5	11.5	11.0	9.5	10.0	9.0	9.5	11.0	10.0	8.0	8.5	7.5	8.0
L <sub>dm</sub>	15.0	15.5	16.0	17.0	20.0	24.0	*21.0	22.5	22.5	23.0	23.0	25.0	21.0	21.0	18.0	17.0	15.0	16.0	18.0	16.0	13.0	14.5	13.0	14.0
496 kc																								
F <sub>om</sub>	97	*95	95	91	83	*71	71	*73	*64	*63	*83	*70	*111	*114	112	111	109	107	107	104	105	102	100	99
D <sub>u</sub>	8		6	6	8		14								11	6	4	6	11	11	8	7	9	8
D <sub>l</sub>	6		10	8	14		12								9	9	5	11	12	7	8	9	7	8
V <sub>dm</sub>	6.5	6.5	6.5	8.0	10.5	10.0	9.5	8.5	9.0	7.0	10.0	11.0	8.5	7.0	7.5	7.5	7.5	11.0	9.5	10.0	6.0	7.5	7.0	6.0
L <sub>dm</sub>	12.5	12.0	11.5	15.0	17.5	17.0	16.5	14.0	13.0	11.0	17.5	24.0	17.5	15.0	15.0	12.5	14.0	19.0	20.0	16.0	15.5	13.0	13.0	14.0
2.5 Mc																								
F <sub>om</sub>	74	72	72	70	66	52	44	44	44	*45	46	50	63	70	71	70	72	66	66	69	72	74	74	72
D <sub>u</sub>	4	7	6	8	6	3	8	8	10		10	24	15	13	21	16	6	8	10	15	10	4	6	6
D <sub>l</sub>	6	5	7	4	5	7	4	4	4		4	6	18	23	25	22	24	12	14	13	4	4	4	2
V <sub>dm</sub>	4.5	4.5	5.0	5.5	5.0	4.5	3.5				*4.0	*4.0	9.5	9.0	*8.0	8.0	9.0	*10.0	8.0	5.0	4.0	4.5	4.0	5.0
L <sub>dm</sub>	7.0	7.0	6.0	6.5	7.0	6.0	4.0				*4.0	5.0	*13.5	14.5	13.0	12.5	14.5	*14.0	10.0	5.0	6.0	6.0	7.0	5.0
5 Mc																								
F <sub>om</sub>	66	64	64	64	60	50	44	42	*42	*43	46	46	52	55	58	56	57	58	60	63	66	66	65	64
D <sub>u</sub>	2	4	4	4	4	8	6	6			2	17	13	19	16	17	9	6	10	9	4	4	5	6
D <sub>l</sub>	4	4	4	4	6	4	4	2			9	8	10	12	14	13	13	8	10	5	2	2	3	2
V <sub>dm</sub>	4.0	5.0	5.0	5.0	6.0	5.0	4.0	*4.5			*3.5	8.0	*8.0	7.0	6.5	6.5	*6.0	5.0	4.5	4.0	4.0	4.0	4.5	
L <sub>dm</sub>	6.5	8.0	7.0	6.0	8.0	8.0	5.0	6.0			5.5	5.0	*11.0	9.0	11.0	8.0	9.0	7.5	6.0	6.0	5.0	5.0	5.5	
10 Mc																								
F <sub>om</sub>	46	46	46	44	44	42	40	38	*30	30	30	37	42	41	42	43	46	48	50	50	50	48	48	47
D <sub>u</sub>	2	6	6	6	3	4	4	4		12	13	11	11	17	20	11	6	6	6	4	6	4	4	5
D <sub>l</sub>	6	6	6	5	4	4	4	6		6	4	10	13	12	8	5	4	4	4	4	2	2	2	3
V <sub>dm</sub>	5.5	5.0	5.5	*4.0	6.0	4.5	*6.5	*5.0			*4.0	5.0	*6.0	*4.5	5.5	6.0	6.5	5.0	5.0	4.5	5.5	5.0	5.5	6.0
L <sub>dm</sub>	8.0	8.0	6.5	*5.5	7.0	7.0	*8.5	*8.0			*5.0	*8.0	*10.0	*7.5	8.0	7.5	7.0	8.0	7.0	6.0	8.0	7.0	7.0	7.5
20 Mc																								
F <sub>om</sub>	24	23	23	23	23	25	25	24	*25	25	26	29	30	31	31	31	31	31	30	29	27	27	25	24
D <sub>u</sub>	7	6	6	6	6	7	5	5		4	8	9	13	15	20	12	6	10	9	10	6	6	6	5
D <sub>l</sub>	1	1	2	2	2	4	4	3		2	2	5	5	6	5	4	4	4	3	4	4	4	2	1
V <sub>dm</sub>	3.0	4.0	3.0	*2.0	3.5	*4.0	4.0	*4.0	*4.0		*4.0	4.0	5.0	5.0	4.5	6.5	6.5	6.0	5.5	4.5		4.0	4.0	4.0
L <sub>dm</sub>	4.0	4.0	4.5	*3.0	4.0	*4.0	5.5	*4.0	*6.0		*4.5	*6.0	6.5	9.0	7.5	8.5	8.0	8.0	6.0	5.0		5.0	5.0	4.0



## RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1 N Long. 105.1 W Type Recorder ARN-2 Month AUGUST 19 58

L S T																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
51 ko																									
Fam	138	138	138	136	134	132	130	130	*129	*130	130	136	139	142	144	144	144	143	144	142	141	140	140	140	
Du	4	4	2	4	6	6	6	4			4	6	7	6	11	6	10	7	6	6	7	4	3	2	
Dl	2	3	5	2	4	6	4	4			3	6	7	8	6	6	6	7	8	7	7	6	5	6	
Vdm	85	90	95	95	100	110	120	105	*90	95	100	120	100	95	80	90	70	70	70	80	80	80	80	90	
Ldm	150	140	150	150	170	180	190	190	*175	170	175	175	145	130	120	130	120	120	120	125	125	130	135	145	
113 ko																									
Fam	123	122	122	120	118	112	110	110	*105	*108	110	117	122	126	128	130	128	126	126	125	124	122	124	122	
Du	4	6	5	6	5	9	8	8			8	10	10	8	7	7	13	10	10	9	9	13	7	6	
Dl	5	5	6	4	7	6	9	12			6	10	8	14	14	16	11	10	10	7	5	5	5	5	
Vdm	75	80	80	90	110	130	140	130	115	100	115	110	100	100	75	90	80	80	85	80	75	70	75	75	
Ldm	130	130	125	140	190	200	215	215	190	180	175	170	175	155	130	150	135	150	145	140	130	135	145	130	
246 ko																									
Fam	107	107	105	105	99	93	91	93	*83	*88	94	99	109	111	117	121	115	113	112	111	109	109	109	107	
Du	6	7	7	5	8	14	12	8			18	18	12	12	6	7	12	12	13	13	16	14	10	7	
Dl	4	6	4	5	5	8	13	14			17	18	16	12	17	15	15	11	14	11	6	6	7	7	
Vdm	80	85	75	80	105	120	125	100	*100	90	110	120	120	110	95	85	75	75	100	90	80	70	70	80	
Ldm	150	145	135	140	180	210	215	205	*165	180	180	210	200	185	150	165	140	155	180	160	140	140	130	145	
495 ko																									
Fam	93	91	91	89	83	71	68	68	*63	62	72	85	91	101	101	104	99	97	96	93	92	92	91	93	
Du	6	6	6	6	5	12	15	23		11	25	21	18	9	10	12	16	14	13	16	17	8	9	6	
Dl	7	4	5	7	15	10	9	9		3	13	20	26	24	30	14	26	24	24	15	9	6	4	8	
Vdm	70	70	80	80	90	75	65	80	35	45	80	135	115	110	100	85	85	90	100	95	80	70	65	80	
Ldm	125	120	140	150	145	140	90	125	60	70	140	205	205	185	170	175	150	165	200	155	150	130	130	155	
2.5 Mc																									
Fam	69	67	67	67	67	53	45	45	*45	*45	45	49	49	53	59	62	63	62	61	65	71	71	69	69	
Du	4	6	6	6	4	6	5	2			4	18	18	18	18	13	20	13	16	7	4	3	4	4	
Dl	6	3	2	4	9	8	2	4			2	6	4	8	13	17	16	15	10	8	6	6	5	5	
Vdm	40	45	45	45	50	55	30	25	*25	*20	*20	*25	*20	35	50	50	*45	*40	*60	40	40	40	40	50	
Ldm	80	75	80	90	95	80	50	30	*30	*30	*20	*50	*25	40	90	85	*90	*80	*90	50	75	65	75	80	
5 Mc																									
Fam	61	61	61	61	59	53	45	43	*41	*41	43	44	45	45	51	51	51	53	57	63	65	63	63	63	
Du	5	5	4	4	4	4	4	2			2	13	12	14	10	12	14	8	4	2	2	4	4	3	
Dl	2	2	2	2	2	6	5	5			5	5	4	4	9	8	8	4	4	3	5	4	4	5	
Vdm	40	40	35	35	40	40	30	25	*20	*25	*20	20	20	30	25	25	*20	30	*30	35	40	40	40	45	
Ldm	65	70	60	60	70	70	45	35	*30	*30	*25	30	30	50	50	40	*40	50	*60	50	65	75	65	65	
10 Mc																									
Fam	48	48	48	46	44	42	40	36	*32	*29	30	30	34	36	40	44	46	48	50	50	50	50	48	48	
Du	2	2	2	4	4	4	4	4			4	6	8	8	7	7	4	2	2	4	4	2	4	2	
Dl	3	4	4	3	3	3	6	4			4	4	6	8	7	5	4	4	2	2	3	4	4	4	
Vdm	40	50	45	50	50	55	55	*50	*50	*45	*40	40	45	40	40	35	30	30	30	40	40	40	40	45	
Ldm	70	80	80	85	80	90	95	*70	*65	*50	*50	60	70	70	60	60	60	50	60	60	60	65	70	75	
20 Mc																									
Fam	24	24	24	24	24	26	28	28	*26	*27	27	28	28	30	32	32	32	32	34	34	30	28	26	26	24
Du	2	2	1	0	2	10	7	4		5	7	6	6	8	5	6	4	6	7	6	4	4	4	2	
Dl	1	2	2	2	2	2	4	4		3	3	2	4	6	4	2	4	6	7	4	4	2	2	0	
Vdm	25	30	20	20	30	*40	*35	*35	*35	*35	*35	30	30	25	30	25	*25	*30	35	40	30	35	30	30	
Ldm	35	40	30	25	40	*55	*50	*50	*35	*45	*40	50	50	40	50	45	*40	*50	50	55	50	50	40	35	



# MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W

Month September 19 58

Hour (EST)	Frequency (Mc)																																																															
	51 kc								113 kc								246 kc								495 kc								2.5 Mc								5 Mc								10 Mc								20 Mc							
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm																								
00	133	4	4	9.0	130	116	10	4	9.0	135	102	10	4	8.5	130	90	6	6	7.0	120	67	3	9	6.0	100	58	6	4	4.5	80	47	2	3	5.0	90	23	2	2	2.5	35																								
01	133	6	4	9.0	130	116	10	4	8.5	130	102	8	6	8.0	120	91	3	7	9.0	115	64	7	4	7.0	110	59	5	3	4.5	85	47	2	5	5.0	85	23	0	2	2.0	30																								
02	131	8	2	9.5	140	118	6	6	8.0	115	100	10	4	7.5	115	90	6	4	9.0	150	64	7	5	6.0	105	60	2	5	5.0	85	47	2	5	4.5	80	23	0	2	3.0	35																								
03	131	6	4	10.0	155	116	8	4	7.5	125	102	6	4	8.5	130	90	6	6	9.0	150	64	5	6	6.0	110	60	2	3	5.0	80	47	2	6	5.0	85	22	1	1	2.5	30																								
04	131	6	10	12.0	180	116	8	6	10.5	170	100	8	6	11.0	160	84	8	6	11.0	185	64	5	8	7.5	135	58	5	2	5.5	80	45	4	6	5.0	90	23	1	2	2.5	35																								
05	129	4	8	13.0	180	109	11	7	11.5	155	86	14	12	12.0	145	62	16	6	11.0	160	56	10	9	5.5	70	56	4	5	4.0	70	43	4	4	5.5	90	25	6	2	3.5	50																								
06	127	8	6	12.5	165	104	14	12	11.5	150	77	21	5	11.5	115	60	16	4	11.0	100	48	2	6	2.5	50	46	5	4	4.0	75	39	4	2	4.5	75	29	6	4	3.5	45																								
07	125	8	8	11.0	155	102	14	13	12.5	160	76	22	6	10.0	145	58	21	2	9.0	140	47	1	9	2.0	35	44	1	7	3.0	45	35	6	4	5.0	75	29	4	4	3.0	40																								
08	123	6	7	10.0	145	98	15	10	11.0	145	74	21	6	8.0	100	56		6	4.5	75	46	2	6	2.5	30	42	2	9	2.0	30	31	5	2	5.0	65	29	4	6	3.0	40																								
09	125					101					76					58					48				20	25	43			1.5	20	29		5.0	60	27			4.0	50																								
10	125					103					78					60					48				20	30	44			2.0	30	44		2.0	40	29			7.0	100	27			3.0	40																			
11	129					106	16	10	15.5	245	84	24	12	12.0	240	62	31	6	15.5	255	46			1.5	20	44	2	2	2.5	40	31	5	4	5.0	80	29	2	4	2.5	50																								
12	131	6	4	10.5	160	108	16	8	11.0	150	88	20	12	9.5	160	72	30	14	11.5	210	48	8	4	2.0	30	44	2	5	2.0	30	31	6	2	5.0	90	29	2	4	3.0	50																								
13	131	10	5	9.0	160	110	18	14	10.0	180	94	24	18	10.0	210	68	35	10	9.5	170	48	18	2	2.0	50	44	10	4	2.0	50	35	8	6	6.0	95	29	6	4	3.0	55																								
14	131	11	4	8.0	140	113	17	11	7.5	140	94	31	20	5.5	115	72	35	14	10.0	190	50	20	6	4.0	50	44	14	4	2.5	35	37	12	4	4.5	85	31	6	4	3.0	50																								
15	133	9	4	7.5	130	115	16	14	8.5	150	102	20	25	9.5	190	82	26	24	11.0	210	48	14	2	2.5	35	46	13	7	2.5	40	41	8	2	5.5	90	31	4	2	3.0	55																								
16	135	4	6	7.0	130	112	12	10	9.0	160	94	17	20	7.0	150	78	22	18	6.5	135	50	10	2	2.5	35	46	6	4	3.0	60	43	2	2	4.0	95	33	2	4	3.5	55																								
17	133	6	6	8.0	135	112	14	8	8.0	145	96	16	18	7.5	140	78	20	17	6.0	110	52	10	4	3.0	65	50	6	2	4.0	80	47	2	2	4.0	80	33	6	4	4.0	55																								
18	133	9	6	8.5	135	120	12	8	6.0	105	104	16	13	7.0	130	92	16	17	7.0	140	60	10	6	3.5	85	58	2	2	3.0	80	49	4	2	4.0	75	31	8	3	3.5	55																								
19	135	10	4	8.0	140	120	12	6	7.5	130	106	17	8	8.0	150	92	10	10	7.5	135	68	4	4	5.0	100	60	4	4	4.0	90	49	5	2	4.5	90	29	8	4	3.5	60																								
20	135	10	6	8.0	130	118	14	4	7.5	130	102	16	4	8.5	140	90	12	4	8.0	120	68	3	8	6.0	110	58	8	4	4.0	95	48	3	3	4.5	95	29	8	6	3.5	55																								
21	133	7	2	7.5	130	116	12	2	7.5	120	100	14	3	7.5	130	92	8	6	8.0	130	66	6	8	5.0	100	58	6	6	4.0	95	47	4	2	3.5	80	27	4	4	3.0	50																								
22	133	6	3	9.0	130	118	8	4	8.0	115	102	10	4	8.0	140	90	10	2	7.0	110	66	6	8	5.0	90	58	6	4	5.0	80	47	2	2	4.0	85	25	4	4	3.0	40																								
23	133	8	2	8.5	135	118	8	6	7.5	125	102	12	6	8.5	130	90	8	2	7.5	115	64	7	5	6.5	110	60	2	6	4.0	85	47	4	2	4.5	105	23	2	1	2.0	30																								

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month October 19 58

Hour (EST)	Frequency (Mc)																																			
	51 kc				113 kc				246 kc				495 kc				2.5 Mc				5 Mc				10 Mc				20 Mc							
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
00	127	4	2	10.5	16.0	111	5	4	7.0	10.0	100	5	6	6.5	12.0	88	6	6	12	4.0	7.0	56	6	6	5.0	8.0	46	2	4	5.0	9.0	22	2	0	2.0	3.5
01	127	6	4	10.5	17.0	113	3	6	7.5	11.0	98	2	4	7.0	13.0	86	5	8	10	5.0	7.5	56	4	3	6.5	9.0	44	4	2	4.0	7.5	22	2	0	2.0	2.5
02	125	7	2	10.0	17.0	111	4	3	7.5	12.5	96	4	4	8.0	16.0	84	6	10	10	4.0	7.0	56	2	5	5.0	8.0	44	4	2	4.5	8.0	22	4	2	1.0	2.5
03	126	6	3	11.0	18.0	111	4	4	8.5	14.0	94	7	4	9.0	16.0	84	6	10	8	3.0	5.0	56	4	4	5.0	7.0	46	2	4	5.0	8.0	22	2	2	1.0	2.0
04	125	7	6	11.5	18.0	109	6	9	11.0	18.5	90	11	5	9.5	18.0	80	10	11	6	2.0	3.5	56	3	6	4.0	7.0	44	2	4	4.0	7.5	22	2	0	1.0	2.0
05	121	6	5	12.0	19.5	102	7	13	13.0	20.0	84	10	8	8.5	14.5	71	7	9	4.0	7.5	55	11	5	2.5	4.0	40	3	3	5.0	8.0	24	2	2	1.5	2.0	
06	119	9	6	11.5	19.5	93	16	8	8.5	11.0	74	16	4	11.0	15.5	62	8	6	3.0	5.0	51	13	6	2.0	3.0	50	10	6	5.0	7.5	38	4	0	5.0	7.0	
07	117	9	8	11.5	20.0	87	16	6	7.0	8.5	72	14	2	6.5	11.0	62	4	6	3.0	5.0	49	19	7	2.0	3.5	42	3	2	2.5	4.5	28	2	3	2.0	3.5	
08	115	9	7	12.5	21.0	87	14	8	4.5	6.0	72	13	3	5.0	8.0	60	8	2	2.0	4.0	49	19	8	2.0	4.0	42	2	2	1.5	3.0	30	0	4	2.0	3.5	
09	115			13.0	21.0	85			9.5	12.5	73			2.5	4.5	63			2.0	4.0	49			3.5	4.5	39			4.0	5.0	27			2.0	3.0	
10	115					81			3.0	4.0	73			3.0	5.0	60	6	2	2.0	4.0	49			7.0	10.0	28			2.0	3.5	26	4	0	2.0	3.0	
11	117	5	8	12.0	19.5	87	13	6	6.5	8.5	72	14	2	5.0	8.0	62	6	4	2.5	4.0	49	5	5	1.5	3.0	42	2	6	3.0	4.5	28	4	3	2.0	4.0	
12	119	6	8	11.0	17.5	90	12	7	6.0	8.5	72	16	2	4.0	7.5	64	6	4	2.0	5.0	49	4	2	1.0	3.0	42	2	4	2.0	3.5	29	3	3	1.0	4.0	
13	119	6	9	9.5	16.0	91	16	6	8.0	12.5	72	10	2	5.0	8.5	62	10	4	3.0	4.0	49	8	2	2.0	3.5	43	1	4	2.0	3.5	30	4	3	2.5	4.0	
14	122	5	9	7.5	14.0	93	14	6	6.0	9.5	72	21	4	4.0	7.0	62	9	2	2.0	4.0	49	11	2	1.5	3.0	44	2	2	2.5	4.0	33	4	3	4.0	5.5	
15	121	8	9	9.0	16.5	97	10	11	7.0	11.0	73			6.0	9.0	63	5	5	2.0	4.0	49	3	2	2.0	4.0	44	2	3	2.0	5.0	36			5.0		
16	125	6	8	9.5	17.5	97	12	8	7.0	9.0	76	14	4	6.0	9.0	64	7	4	3.0	5.0	49			1.5	3.0	44	4	3	2.5	4.5	42	2	4	5.0	7.0	
17	123	7	7	10.0	16.5	103	9	3	5.0	7.0	84	13	6	6.5	12.0	73	13	5	5.0	9.0	53	12	6	3.0	4.0	51	5	7	4.0	6.0	46	4	2	5.0	7.0	
18	125	6	6	8.5	16.0	109	6	6	5.0	8.0	94	6	6	8.0	14.0	82	8	6	6.0	10.5	59	8	10	4.5	7.5	54	6	9	5.5	8.0	46	2	4	4.0	6.5	
19	127	6	6	8.0	15.0	112	10	9	5.0	7.5	94	7	6	7.0	13.0	86	6	8	6.5	11.0	61	9	12	4.5	7.5	54	5	6	5.0	7.0	46	2	4	4.5	6.5	
20	127	6	4	9.0	16.5	111	6	7	5.5	8.5	97	7	5	6.5	11.0	86	8	6	6.0	11.0	61	8	12	4.0	6.0	54	4	9	4.0	7.0	44	2	2	5.0	7.0	
21	126	6	4	9.5	16.5	111	6	4	5.0	8.0	98	6	4	7.0	12.0	88	7	6	6.0	11.5	58	8	9	4.5	8.0	54	4	7	5.5	7.5	44	2	4	5.0	8.5	
22	127	6	5	9.0	17.0	111	4	4	5.5	9.0	98	9	4	7.0	13.0	88	7	6	6.5	10.0	57	10	6	5.0	7.5	54	6	5	5.0	8.0	44	2	2	4.0	8.0	
23	129	2	6	8.5	15.5	111	5	5	5.0	8.0	100	4	6	6.0	12.0	88	5	6	6.5	11.5	59	8	12	5.0	7.0	56	4	6	4.5	7.0	45	1	3	3.5	6.0	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>f</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

10-7000-10-12

RN-13



# MONTH-HOUR VALUES OF RADIO NOISE

Station **Boulder, Colorado**

Lat. **40.1 N** Long. **105.1 W**

Month **November** 19 **58**

Hour (LST)	Frequency (Mc)																																			
	51 kc				113 kc				246 kc				495 kc				2.5 Mc				5 Mc				10 Mc				20 Mc							
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm						
00	123	6	8	9.0	16.0	107	6	6	5.0	7.0	83	14	8	6.0	10.5	83	12	10	5.5	11.0	55	11	7	3.5	5.5	41	4	2	5.5	9.0	23	0	2	1.5	3.0	
01	123	6	6	9.0	15.5	107	8	4	5.0	7.0	81	13	11	8.0	13.0	81	11	6	7.0	12.0	54	12	6	3.5	5.0	41	6	4	5.0	8.0	23	0	2	1.5	3.0	
02	123	6	8	9.0	15.0	107	9	2	4.0	6.0	93	12	10	8.0	14.0	81	10	8	7.5	14.0	54	12	6	3.5	6.0	41	2	2	5.0	8.0	23	0	0	1.5	3.0	
03	121	6	4	9.5	16.5	107	5	4	6.5	10.0	91	10	11	10.0	16.5	79	10	8	9.0	16.0	56	12	8	3.0	5.0	41	4	2	5.0	8.0	23	0	0	1.5	2.5	
04	121	8	4	9.0	17.0	107	8	6	7.0	9.0	87	16	8	8.5	13.5	73	18	8	8.5	13.5	56	12	6	3.5	6.5	41	4	2	6.5	9.5	23	0	0	1.0	2.5	
05	119	8	4	11.0	18.0	99	13	10	9.0	16.0	79	18	6	9.0	13.0	67	18	6	4.5	6.5	56	12	8	3.0	6.0	37	4	2	5.0	7.0	25	2	2	2.0	4.0	
06	115	4	2	10.5	17.0	91	9	4	6.0	8.0	73	17	4	6.0	9.5	63	8	4	2.5	5.0	52	16	6	3.0	6.0	39	4	2	3.0	6.0	27	6	2	3.0	5.0	
07	113	9	4	11.5	18.5	89	9	4	4.5	7.5	71	16	2	4.5	8.0	61	6	2	3.0	5.0	51	15	5	2.5	5.0	37	2	4	3.0	5.0	31	2	2	2.0	3.0	
08	107	10	4	10.0	17.0	91	7	6	6.0	7.0	73	10	4	6.0	8.0	63	4	6	2.0	4.0	48	18	4	2.5	5.0	35	0	4	3.0	4.5	29	4	0	2.5	4.0	
09	105	*	*	8.0	15.0	89	*	*	3.5	4.5	71	*	*	5.0	8.0	61	*	*	2.5	4.5	48	*	*	2.0	4.0	*	31	*	2.5	4.0	29	*	*	2.0	3.0	
10	109	*	*	10.0	17.5	89	*	*	4.5	5.0	71	6	2	5.0	7.5	62	3	5	2.5	4.5	48	15	4	1.5	3.0	*	29	*	3.0	5.0	29	2	2	2.0	3.5	
11	107	5	3	12.0	19.0	89	6	4	5.0	6.0	73	6	4	5.0	7.5	63	4	6	2.0	4.0	48	15	6	2.0	4.0		29	2	2	4.0	4.5	29	2	2	2.5	4.5
12	109	8	10	13.0	20.5	89	6	2	4.5	6.0	73	12	4	4.5	8.0	63	8	6	2.0	4.0	48	16	6	2.5	4.5		29	5	2	4.0	5.0	29	2	0	2.5	4.0
13	109	9	7	12.0	18.0	91	8	5	1.0	2.0	72	15	3	4.0	6.5	63	7	4	2.5	5.0	50	13	6	3.0	5.5	31	6	2	2.5	4.0	29	4	0	2.5	5.0	
14	109	16	4	11.5	19.0	94	14	8	7.5	8.0	73	12	2	5.0	7.0	63	8	4	2.0	4.0	48	14	4	2.0	4.5	33	8	2	3.0	5.0	31	2	2	2.0	4.0	
15	110	12	10	10.5	18.0	92	13	7	6.5	8.0	73	*	*	4.0	7.0	62	*	*	2.5	4.0	48	15	4	2.0	3.5	38	*	*	5.0	9.0	31	*	2.5	4.5		
16	113	*	*	8.5	15.0	99	9	6	3.5	5.0	79	14	8	6.5	11.0	68	5	6	4.5	5.0	48	*	*	2.0	4.5		41	5	2	4.0	6.5	33	2	2	2.0	4.0
17	116	7	8	9.0	15.5	103	10	6	5.5	8.0	85	15	7	6.5	13.5	73	15	8	8.0	10.5	52	16	4	2.0	4.5		43	3	2	3.5	6.0	31	4	0	2.0	4.0
18	120	6	6	10.0	16.0	105	8	6	4.0	5.5	88	8	8	9.0	14.0	75	13	5	6.0	10.0	54	12	4	2.5	4.5		43	3	2	4.5	7.0	31	4	2	2.0	3.5
19	121	4	6	9.5	16.0	105	6	4	5.5	7.0	89	10	10	7.0	11.5	77	16	6	8.0	13.0	54	12	2	3.0	5.0		43	4	2	4.5	7.0	27	8	2	2.5	4.0
20	121	7	7	10.0	17.0	106	7	5	4.0	5.5	92	8	9	8.0	13.5	77	17	4	6.5	11.0	54	14	4	3.0	6.0		43	4	2	5.0	7.0	25	9	2	2.5	4.0
21	121	8	5	9.5	17.0	105	8	2	4.5	7.0	93	13	8	8.0	12.5	81	13	7	7.0	12.0	55	13	5	3.5	6.0		43	4	2	4.5	7.5	23	3	0	1.5	2.5
22	121	8	4	10.0	15.5	109	10	4	5.5	8.5	95	12	9	7.0	13.0	81	11	5	6.5	11.5	56	10	6	3.0	5.5		43	2	2	5.0	8.5	23	0	0	1.5	3.0
23	123	4	6	11.0	18.5	109	4	8	6.0	8.0	95	8	9	9.5	12.5	83	7	12	6.5	13.0	56	12	6	4.0	6.0		43	3	4	5.0	7.0	23	0	0	1.5	3.0

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db.

Df = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power



Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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	Fam		Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm		Fam		Du	Df	Vdm	Ldm	

Fam = median value of effective antenna noise in db above ktb  
 Du = ratio of upper decile to median in db  
 Df = ratio of median to lower decile in db  
 Vdm = median deviation of average voltage in db below mean power  
 Ldm = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado

Lat. 40.1 N Long. 105.1 W

Month January 19 59

Hour (LST)	Frequency											
	51 kc				113 kc				246 kc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>
00	117	5	5	80	150	101	9	7	40	75	80	17
01	117	9	4	85	155	100	11	10	35	45	81	13
02	119	9	6	75	135	99	11	8	20	45	79	16
03	117	8	3	80	140	99	11	8	30	50	79	10
04	117	6	4	80	135	99	11	10	15	25	77	8
05	117	7	4	85	150	95	12	8	40	80	76	12
06	117	5	4	85	145	89	8	8	60	90	72	7
07	117	2	7	90	155	85	4	6	30	40	70	4
08	110	5	7	95	150	79	8	6	25	40	70	2
09	101	8	4	60	115	79	12	6	20	40	70	*
10	99	12	4	90	140	78	18	5	15	30	70	3
11	101	12	4	90	165	77	18	6	20	30	70	2
12	99	18	6	100	155	77	18	6	30	45	70	4
13	99	16	2	85	150	76	17	6	30	45	70	7
14	101	8	8	90	150	79	11	6	25	35	70	5
15	99	15	6	60	105	79	12	5	20	20	70	2
16	100	9	8	70	125	85	10	6	10	15	70	12
17	104	10	7	90	160	95	7	12	15	25	72	14
18	109	13	4	90	150	97	8	10	15	20	72	15
19	113	9	5	85	145	97	8	8	20	25	74	12
20	113	10	4	85	150	99	6	9	40	65	76	11
21	114	8	5	80	150	100	5	11	40	50	79	16
22	115	9	4	90	170	101	7	10	40	50	80	12
23	117	6	6	85	160	101	8	9	35	60	82	12

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>f</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W

Month February 19 59

Hour (LST)	Frequency																																										
	51 kc					113 kc					246 kc					495 kc					2.5 Mc					5 Mc					10 Mc					20 Mc							
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm								
00	114	10	6	100/175	100/10	88	10	12	115	160	75	11	8	110/145	57	9	6	35	50		42	4	4	6.0	100	23	0	2	15	25													
01	116	10	6	105/150	100/10	84	12	6	105	155	73	14	8	90/125	52	12	6	40	55		42	2	4	5.0	90	23	0	20	30														
02	118	8	8	90/140	100/12	82	14	8	110	150	71	13	8	75	140	50	15	4	30	40		44	2	6	4.0	85	23	2	0	15	30												
03	118	9	6	100/145	100/11	80	18	8	75	150	69	18	8	85	135	62	11	6	40	70		42	4	7	4.5	70	23	2	0	20	30												
04	118	9	6	90/165	98/14	78	19	6	60	110	67	17	10	90	140	50	13	6	25	35		42	4	12	3.5	60	23	2	0	20	30												
05	116	11	8	110/180	94/14	76	14	8	40	70	63	8	6	70	85	50	13	4	30	55		40	8	7	5.0	70	25	1	2	20	30												
06	114	5	4	105/180	88/10	72	8	4	80	110	61	4	6	40	55	48	12	7	20	30		38	10	2	3.5	70	25	6	0	30	45												
07	110	8	4	105/165	86/8	70	6	4	60	90	59	6	4	30	40	46	7	7	30	45		38	10	4	4.5	60	29	2	4	30	40												
08	106	7	6	100/165	86/13	7	85	7	65	90	59	4	4	20	40	46	3	6	20	40		34	4	5	4.0	50	28	3	4	40	50												
09	102			125/190	88				80	100	58			25	45	44			30	40		30			3.0	50	29			40	50												
10	98			130/150	90/12	8	70	95	70	14	4	65	70	61	5	6			25	35		28	9	4	2.5	40	27	6	2	40	60												
11	98	10	9	105/135	92/12	8	55	80	70	11	2	60	90	59	6	4	8	6	15	25		26	6	2	3.0	45	29	5	4	35	50												
12	108	10	14	95/180	88/14	8	85	110	72	12	6	45	120	59	12	4	5	8	20	40		26	8	2	2.5	30	29	8	4	40	60												
13	106	11	18	130/220	90/10	7	90	110	70	11	4	85	95	59	6	3	8	7	25	45		26	5	4	4.0	55	29	6	4	40	60												
14	106	13	13	125/210	89/13	8	90	90	70	20	2	75	110	61	17	4	6	6	20	40		30	6	4	4.5	60	31	4	4	20	40												
15	106	14	14	130/155	88/13	8	100	130	70	12	2	100	160	63	18	8	5	2	25	40		32	5	2	5.5	65	31	4	4	25	40												
16	104	12	14	120/190	90/9	4	55	65	71	10	3	85	130	61	13	4	6	2	20	45		38	2	4	4.0	60	31	4	4	20	40												
17	109	11	13	150/225	96/10	4	45	40	77	10	5	100	165	65	10	6	7	3	15	35		42	5	6	5.0	80	33	4	4	35	55												
18	114	10	10	100/160	100/10	6	35	45	83	9	11	105	170	70	11	7	10	5	20	45		41	5	3	5.5	75	31	8	6	45	75												
19	116	8	12	110/145	100/8	4	50	65	84	8	10	80	120	71	12	8	10	5	35	45		42	2	4	5.5	80	28	10	5	50	60												
20	115	9	11	85/155	103/7	9	70	100	87	6	15	90	195	72	14	6	70	10	6	50	80		44	2	2	5.5	90	23	4	2	30	50											
21	116	9	10	85/130	102/10	6	65	105	86	4	10	65	100	73	15	6	45	9	6	40	60		44	2	2	4.5	80	23	2	2	20	30											
22	117	9	9	90/135	101/13	5	60	95	84	14	10	85	130	73	16	8	75	110	4	40	60		44	4	4			23	0	2	20	25											
23	114	14	6	90/140	100/10	4	70	95	86	14	8	90	140	75	14	8	65	140	50	65		42	4	4	4.5	95	23	0	2	15	25												

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power



# RADIO NOISE DATA

MARIE BYRD BASE  
ANTARCTICA

Station ANTARCTICA Lat. 80.0 S Long. 120.0 W Type Recorder ARN-2 Month MARCH 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F <sub>am</sub>	106	100	106	112	112	114	111	110	106	101	*114	116	100	110	114	115	115	118	112	110	114	100	112	100
D <sub>u</sub>	11	0	11	6	5	6	0	9	11	0		3		10	6	4	5	4	6	10	6	11	9	9
D <sub>ℓ</sub>	7	0	6	14	14	14	12	12	0	9		17		10	11	12	13	13	12	10	16	10	13	10
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 kc ( no data )																							
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 kc																							
F <sub>am</sub>	67	65	66	75	77	69	65	67	69	67	*68	68	67	65	67	80	89	69	66		67	67	67	67
D <sub>u</sub>	6	9	9	18	18	10	9	9	4	6		6	9	0	6	15	0	12	0		21	11	12	0
D <sub>ℓ</sub>	5	3	5	11	14	6	4	5	6	4		4	4	1	4	15	16	5	2		4	4	4	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc																							
F <sub>am</sub>	48	47	49	53	59	49	49	48	47	49	*50	49	49	49	49	61	61	50	49	48	49	49	49	48
D <sub>u</sub>	7	5	3	13	0	7	4	5	7	6		5	5	7	6	1	5	17	0	0	7	7	10	12
D <sub>ℓ</sub>	3	2	3	6	2	2	3	3	3	2		2	3	2	20	21	14	3	2	3	2	2	4	3
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc																							
F <sub>am</sub>	21	25	20	23	23	21	21	21	22	21	23	23	22	22	24	24	23	24	21	22	21	23	21	23
D <sub>u</sub>	10	5	0	0	6	7	0	7	6	6	3	4	0	6	6	6	6	9	11	6	11	12	10	9
D <sub>ℓ</sub>	5	7	4	6	6	4	5	5	6	5	7	7	5	6	6	6	4	7	5	6	5	5	5	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	26	24	22	20	18	18	18	17	18	17	18	18	18	19	19	20	20	20	23	21	24	29	26	26
D <sub>u</sub>	11	11	10	10	5	5	2	3	3	2	2	3	3	3	3	2	4	9	10	13	13	9	16	10
D <sub>ℓ</sub>	7	5	4	3	0	2	2	2	2	2	4	2	2	3	3	3	2	3	5	5	7	11	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>	14	14	14	12	0	7	6	8	6	*6	*6	0	9	0	8	0	8	11	14	12	16	18	18	16
D <sub>u</sub>	6	6	5	3	7	7	0	4	4			4	7	7	7	7	11	11	7	10	5	5	5	6
D <sub>ℓ</sub>	7	12	6	8	7	7	6	5	4			6	5	6	5	6	4	9	0	5	0	4	0	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	19	19	19	18	18	18	17	17	17	17	17	18	18	18	18	18	18	18	19	19	19	19	19	19
D <sub>u</sub>	3	1	1	2	3	2	3	3	3	4	4	3	3	3	4	4	3	3	3	2	0	2	2	2
D <sub>ℓ</sub>	1	1	3	2	3	3	1	2	1	2	2	3	3	3	1	2	2	2	3	3	2	2	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								

## RADIO NOISE DATA

Station MARIE BYRD BASE ANTARCTICA Lat. 80.06 Long. 120.07 Type Recorder ARN-2 Month APRIL 19 58

Long type record																								
L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F <sub>am</sub>	122	120	120	120	119	*120	120	*120	120	120	123	120	119	*121	119	*119	121	118	122	120	117	120	121	121
D <sub>u</sub>	3	5	5		6		5						6		6		6				8	5	4	4
D <sub>ℓ</sub>	18	20	17		20		18						6		19		19				16	26	29	20
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 kc																							
F <sub>am</sub>	*90	*91	*90	*90	*91	*90	*90	*90	*90	*90	*90	88	90	*92	*92	*92	*92	*92	92	*92	92	90	92	89
D <sub>u</sub>												8	2						6		8	8	4	7
D <sub>ℓ</sub>												4	6						8		8	10	8	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 kc																							
F <sub>am</sub>	71	*70	69	76	75	74	73	74	73	*73	*72	73	74	*72	*70	*73	85	72	72	72	73	74	72	72
D <sub>u</sub>	15		9	14	20	8	9	6	5			5	2				5	6	4	9	8	6	8	4
D <sub>ℓ</sub>	7		1	8	7	6	5	6	5			5	6				11	4	6	4	5	6	5	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc																							
F <sub>am</sub>	52	*52	52	*58	*57	*52	52	*55	*54	*54	*52	52	52	54	52	*54	54	52	54	53	55	*53	52	53
D <sub>u</sub>	4		4				6					6	6	6	6		8				3		7	5
D <sub>ℓ</sub>	4		4				4					4	4	6	4		6				7		4	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc																							
F <sub>am</sub>	27	27	27	25	27	26	27	25	24	22	*23	22	25	27	25	26	29	25	28	27	26	28	27	28
D <sub>u</sub>	12	10	17	11	16	10	15	12	9	12		17			11	10	12	10	18	13	10	12	9	9
D <sub>ℓ</sub>	6	6	5	4	6	5	5	5	3	3		3			3	3	6	4	7	6	5	7	6	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	38	34	32	28	28	22	24	22	21	20	*18	26	25	26	22	27	27	30	30	29	34	32	34	34
D <sub>u</sub>	5	9	4	12	9	14	9	16	10	14		7	11	6	10	9	12	11	14	15	13	14	8	10
D <sub>ℓ</sub>	13	9	10	7	10	4	6	4	3	2		7	6	8	4	7	5	11	10	9	14	10	10	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>	18	17	16	16	16	14	18	16	14	14	*12	16	17	17	17	17	20	22	21	22	22	20	20	20
D <sub>u</sub>	8	9	9	8	8	10	5	8	6	3		5	6	6	6	5	6	4	7	5	4	6	10	5
D <sub>ℓ</sub>	5	5	7	6	10	8	8	11	9	9		5	4	9	6	7	7	10	7	5	7	4	4	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	20	21	21	21	21	20	20	20
D <sub>u</sub>	2	2	1	2	2	2	2	1	3	4	2	3	3	3	4	3	2	3	2	2	3	3	2	2
D <sub>ℓ</sub>	0	0	1	1	1	2	1	1	1	2	2	1	2	3	0	0	1	0	1	1	2	0	0	0
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

MARIE BYRD BASE  
Station ANTARCTICA Lat. 80 S Long. 120 W Type Recorder ARN-2 Month MAY 19 58

L S T																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
51 kc																									
F <sub>am</sub>	125	124	125	124	135	125	125	125	125	125	125	125	125	125	125	*125	*125	*125	125	125	124	125	125	125	124
D <sub>u</sub>	3	3	3	4	3	2	2	3	4	2	4	4	3	2				4	4	5	3	2	2	3	
D <sub>l</sub>	4	3	3	3	3	4	3	2	4	4	4	4	4	8				4	5	3	3	4	3	3	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
113 kc																									
F <sub>am</sub>	93	95	93	95	95	93	93	93	93	93	93	94	93	95	*93	*91	*95	95	93	93	93	93	93	93	95
D <sub>u</sub>	2	2	2	6	2	4	4	4	3	4	3	4	3	2				4	2	4	2	2	4	2	
D <sub>l</sub>	2	4	2	3	2	2	2	2	2	2	2	1	2	4				3	2	2	2	2	2	2	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
246 kc																									
F <sub>am</sub>	74	73	71	82	81	75	74	75	75	76	76	76	77	73	*74	*77	*78	76	76	76	76	76	77	75	
D <sub>u</sub>	6	6	3	3	6	4	4	8	4	5	3	5	4	10				9	4	7	3	7	4	3	
D <sub>l</sub>	4	5	3	14	7	6	4	5	5	7	5	4	6	2				6	6	5	5	6	6	5	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
545 kc																									
F <sub>am</sub>	55	55	55	57	56	56	57	57	55	57	57	57	58	58	*59	*60	*57	57	59	59	58	59	58	56	
D <sub>u</sub>	5	5	3	9	4	9	5	6	4	9	10	11	6	10				7	3	7	3	6	6	9	
D <sub>l</sub>	2	3	3	5	3	4	5	4	2	4	2	4	3	1				2	4	4	4	5	4	5	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
2.5 Mc *																									
F <sub>am</sub>	23	26	26	24	25	23	25	25	24	32	25	23	25	23	23	25	25	25	25	25	23	23	23	23	
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
5 Mc																									
F <sub>am</sub>	*33	33	30	26	*30	30	*26	26	*23	22	24	*28	*28	*30	*30	*30	*30	32	*31	28	30	32	*31	35	
D <sub>u</sub>		7	8	14		8		10		8	6							6		12	8	5		7	
D <sub>l</sub>		1	8	10		12		8		6	2							12		10	10	12		11	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
10 Mc																									
F <sub>am</sub>	*20	*20	20	20	16	16	*18	16	*14	16	*18	20	*20	*16	*17	*18	*21	20	23	22	19	22	*20	*20	
D <sub>u</sub>			6	5	9	10		9		7		4						8	6	3	9	7			
D <sub>l</sub>			9	7	9	10		7		5		5						9	8	7	6	7			
V <sub>dm</sub>																									
L <sub>dm</sub>																									
20 Mc																									
F <sub>am</sub>	21	21	21	21	21	22	22	21	22	21	22	22	22	22	22	*22	*21	*22	22	22	21	21	22	22	
D <sub>u</sub>	3	3	2	3	3	2	1	2	1	3	2	2	4	2				2	3	2	3	3	2	2	
D <sub>l</sub>	2	4	3	3	3	3	2	4	4	3	3	3	3	3				2	2	4	3	4	4	4	
V <sub>dm</sub>																									
L <sub>dm</sub>																									



# RADIO NOISE DATA

Station MAFIE BYRD BASE  
ANTARCTICA Lot 80 S Long 120 W Type Recorder ARN-2 Month JUNE 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 ke																								
F <sub>om</sub>	126	126	124	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	125	126	125	126	126	
D <sub>u</sub>	2	2	2	3	3	3	3	4	2	4	3	6	3	4	5	4	7	2	2	3	2	2	3	
D <sub>l</sub>	8	9	5	8	4	7	10	7	3	8	6	4	2	1	7	2	7	7	10	9	11	7	7	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 ke																								
F <sub>om</sub>	93	93	93	93	97	93	93	93	93	93	93	93	93	93	93	93	95	93	93	95	93	93	93	
D <sub>u</sub>	16	19	15	17	16	16	15	16	18	17	18	21	21	20	22	17	18	17	10	8	10	10	11	
D <sub>l</sub>	2	5	4	2	4	4	4	2	2	2	4	2	2	2	2	2	2	4	7	5	6	5	3	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 ke																								
F <sub>om</sub>	76	74	73	81	85	74	75	75	76	75	75	75	76	73	71	81	79	73	75	75	75	75	75	
D <sub>u</sub>	13	15	17	18	8	13	17	15	13	15	14	16	18	17	20	10	14	16	9	11	12	10	16	
D <sub>l</sub>	6	5	3	10	10	4	4	5	7	6	4	4	5	4	2	10	8	2	4	3	5	4	6	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
546 ke																								
F <sub>om</sub>	55	55	56	59	57	54	55	57	55	57	57	57	57	57	57	61	59	57	57	57	57	57	57	
D <sub>u</sub>	12	14	13	11	11	7	10	10	11	11	10	12	10	9	10	10	12	5	6	3	7	7	8	
D <sub>l</sub>	2	2	3	6	4	1	2	4	2	4	2	2	3	2	2	4	3	2	2	2	2	3	4	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mo																								
F <sub>om</sub>	27	26	26	26	26	26	26	26	28	30	26	25	30	24	26	26	28	26	24	26	26	24	26	
D <sub>u</sub>	12	14	16	14	12	10	13	14	13	8	14	14	11	14	16	14	18	16	12	7	8	14	12	
D <sub>l</sub>	3	2	2	2	2	2	2	2	4	6	2	1	6	0	2	2	4	2	0	2	2	0	2	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mo																								
F <sub>om</sub>	30	32	29	24	26	26	26	26	26	26	30	29	28	30	30	32	30	32	34	31	28	28	30	
D <sub>u</sub>	12	7	11	12	12	14	8	9	8	10	6	4	6	4	4	8	8	8	8	12	9	12	10	
D <sub>l</sub>	11	10	11	6	8	8	8	8	8	6	10	5	3	7	8	8	9	9	15	13	8	8		
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mo																								
F <sub>om</sub>	17	17	18	17	16	16	16	15	15	15	17	17	17	17	17	19	17	17	18	19	19	21	20	
D <sub>u</sub>	6	5	5	6	5	3	3	4	4	4	2	3	5	5	4	3	2	5	5	4	4	5		
D <sub>l</sub>	5	3	5	5	9	9	9	9	7	4	4	3	2	4	4	6	6	5	6	4	6	8		
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mo																								
F <sub>om</sub>	22	24	23	22	22	23	22	22	22	24	24	24	24	24	24	22	22	22	22	22	22	22	23	
D <sub>u</sub>	2	0	1	2	2	1	2	2	2	0	0	0	0	0	0	2	2	2	2	2	2	1		
D <sub>l</sub>	0	2	1	0	0	1	0	0	0	2	2	2	2	2	2	0	1	0	0	0	1	0		
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station MARIE BYRD BASE  
ANTARCTICA Lat. 80 S Long. 120 W Type Recorder ARN-2 Month JULY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
F <sub>am</sub>	124	124	124	124	124	124	122	122	124	125	126	124	124	124	124	124	124	124	124	124	123	124	124	124
D <sub>u</sub>	4	4	4	4	4	4	6	6	4	3	1	3	3	2	2			3	4	2	5	2	4	6
D <sub>l</sub>	8	5	8	8	5	6	5	4	6	7	10	5	6	6	5			3	2	6	5	5	6	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc																								
F <sub>am</sub>	92	92	92	92	92	91	92	92	92	92	92	92	92	92	92	92	93	92	92	96	96	94	92	92
D <sub>u</sub>	3	2	1	9	10	2	2	1	2	3		3	3	3				5	4	2	1	3	4	3
D <sub>l</sub>	7	7	5	3	3	2	3	3	2	2		2	7	6				7	5	7	7	9	3	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc																								
F <sub>am</sub>	70	70	68	72	78	70	71	68	69	70	70	68	70	68	69	79	72	72	74	71	74	70	72	70
D <sub>u</sub>			9		4			10				12						5	4	7	4	8	7	7
D <sub>l</sub>			2		6			0				0						4	6	3	6	2	4	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	54	56	54	58	58	55	55	55	52	56	58	56	57	56	56	60	58	56	56	56	56	56	56	57
D <sub>u</sub>	10	6	11	8	4	7	7	9		8	2	6					6	10	8	8	8	8	8	7
D <sub>l</sub>	2	4	2	6	4	3	1	3		4	4	2					2	2	2	2	2	2	2	3
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	24	24	24	26	24	24	24	24	24	24	24	24	24	24	24	24	26	24	24	24	24	24	24	24
D <sub>u</sub>					6	2					0	2	2	4	2	4	4	4	4	4	6	2	4	
D <sub>l</sub>					0	2					2	2	2	2	2	0	2	0	0	0	2	0	0	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	26	24	22	22	22	20	18	20	20	22	22	23	26	28	30	31	30	32	34	28	28	34	32	32
D <sub>u</sub>	16	18	19	14	15	13	14	8	7	7	7	9	6	5	4		8	5	6	13	14	6	9	8
D <sub>l</sub>	8	6	4	4	4	2	0	2	2	4	4	4	6	4	10		11	14	14	9	11	15	14	13
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	17	17	14	12	12	12	10	7	12	11	12	16	16	16	15	15	15	17	17	19	19	20	20	20
D <sub>u</sub>	6	5	6	11	7	6	10	6	5	5	5	2	4	4			3	3	5	4	4	5	5	4
D <sub>l</sub>	10	8	8	7	7	9	8	15	8	8	9	7	5	5			11	7	11	8	9	7	7	12
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	19	20	20	20	19	19	19	19	19	19	19	20	20	20	20	21	20	20	20	20	20	20	20	20
D <sub>u</sub>	2	1	2	1	2	2	1	1	2	2	1	1	1	1	1			1	1	1	1	1	1	1
D <sub>l</sub>	2	2	2	2	3	2	2	2	2	1	2	2	1	1	1			2	3	3	2	2	3	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station MARIE BYRD BASE ANTARCTICA Lat. 30 S Long. 120 W Type Recorder ARN-2 Month AUGUST 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
F <sub>am</sub>	112	112	112	112	112	112	112	111	111	112	111	111	110	111	112	112	112	114	112	114	112	112	112	112
D <sub>u</sub>	13	13	13	11	13	13	12	11	15	14	14	16	15	12	11	10	14	10	13	21	14	13	14	13
D <sub>l</sub>	4	3	6	6	6	6	7	4	7	4	7	5	4	5	6	6	4	6	5	6				
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc																								
F <sub>am</sub>	88	86	86	86	93	87	86	87	86	86	87	85	87	86	85	93	89	87	86	87	87	86	87	87
D <sub>u</sub>	8	15	10	10	4	9	9	10	9	8	9	9	7	9	9	1	11	8	9	9	9	10	11	9
D <sub>l</sub>																	5	6	3	4	4	3	4	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc																								
F <sub>am</sub>	72	70	70	74	76	70	70	70	70	70	70	70	71	87	70	84	72	72	71	70	70	71	71	81
D <sub>u</sub>	10	13	17	11	10	18	10	10	9	12	8	8	9	10	10	3	16	6	7	7	8	7	8	11
D <sub>l</sub>	6	5	6	7	10	3	4	5	4	3	4	3	5	3	6	12	5	6	5	4	4	5	6	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	59	59	58	70	61	55	55	62	58	55	55	56	57	58	58	70	64	68	60	62	61	58	59	61
D <sub>u</sub>	22	19	17	14	15	14	15	8	13	13	10	12	9	10	11	10	10	8	8	6	6	10	17	16
D <sub>l</sub>	6	6	5	15	10	3	2	7	5	2	3	3	4	3	3	13	9	5	5	7	6	3	6	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	25	39	29	25	37	25	35	24	25	25	25	25	25	25	27	28	27	27	27	25	25	25	26	36
D <sub>u</sub>	14	17	19	13	10	22	19		16	17	18		4	10	14		7	8	7	29	12	6	13	13
D <sub>l</sub>	4	5	7	3	4	6	5		6	5	6		6	4	3		3	3	5	3	3	4	3	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	34	32	26	24	22	22	20	20	20	20	22	22	26	28	24	28	32	32	32	16	28	22	30	18
D <sub>u</sub>	8	14	20	16	16	16	14	12	10	8	8	9	10	8	8	9	6	8	10	14	13	10	13	14
D <sub>l</sub>	17	12	12	10	8	8	6	6	8	6	8	6	12	16	10	12	16	17	17	9	13	18	14	12
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	18	18	17	18	14	13	13	15	14	15	14	15	15	15	16	19	19	22	21	20	20	22	22	20
D <sub>u</sub>	9	11	10	9	13	12	10	4	7	7	7	8	8	6	5	3	6	5	8	7	9	9	6	8
D <sub>l</sub>	10	10	8	7	4	7	6	6	6	8	4	6	9	9	6	11	11	12	8	9	9	10	9	11
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	19	20	20	29	19	19	19	19	19	19	20	19	19	19	19	21	21	21	20	20	20	20	21	19
D <sub>u</sub>	3	3	3	4	4	4	2	2	4	2	1	2	3	2	4	2	2	1	1	2	1	3	2	2
D <sub>l</sub>	2	3	1	2	2	2	2	2	2	3	3	3	4	4	2	4	4	3	2	4	3	2	2	1
V <sub>dm</sub>																								
L <sub>dm</sub>																								





# MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Base, Antarctica Lat. 80.0 S Long. 120.0 W

Month October 19 58

Time (EST)	Frequency (Mc)											
	51 kc				113 kc				246 kc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>
00	125 4 1				94 3 2				72 4 2			
01	125 4 2				94 3 3				72 2 2			
02	125 4 3				94 3 3				72 6 2			
03	125 4 3				94 3 3				72 10 2			
04	125 4 3				98 5 6				74 4 4			
05	125 4 3				96 4 6				72 10 4			
06	125 4 7				95 2 5				72 2 2			
07	125 2 5				95 3 4				74 6 5			
08	125 3 5				95 2 5				72 7 2			
09	124 3 6				95 1 5				72 4 3			
10	125 4				93 3 3				72 5 2			
11	124 4 4				94 2 4				72 6 2			
12	124 4 4				94 3 3				72 6 4			
13	125 2 7				94 2 3				72 6 2			
14	124 2 4				94 4 3				72 8 2			
15	125 2 3				95 2 3				76 6 4			
16	125 3				95 8 4				78 10 6			
17	125 2				96 3 4				72 6 4			
18	125 3 3				96 3 2				78 8 6			
19	129 3 1				96 2 3				76 6 4			
20	125 4 2				95 2 3				74 6 4			
21	125 3 3				95 2 3				74 4 4			
22	125 2 0				95 1 3				74 4 4			
23	125 4 1				94 2 3				72 4 2			

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

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# MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Base, Ant.

Lat. 80.0 S

Long. 120.0 W

Month November

19 58

Hour (EST)	Frequency (Mc)											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>
00	24	2	4	93	5	3	73	4	2	58	1	2
01	24	2	4	93	2	2	73	2	2	58	2	2
02	24	2	4	93	2	4	73	4	2	58	2	2
03	24	2	4	93	2	3	73	2	2	58	1	2
04	24	2	4	93	2	2	73	2	2	58	2	2
05	24	2	4	93	2	4	73	2	2	58	5	4
06	24	2	6	93	0	2	73	2	2	58	2	4
07	24	2	6	93	2	4	73	2	2	58	4	4
08	24	2	6	93	0	4	73	2	2	58	4	4
09	24	2	6	93	2	2	73	2	2	58	2	4
10	24	2	4	93	2	4	71	4	0	56	5	2
11	24	2	6	93	2	4	73	2	4	58	2	4
12	22	4	4	93	2	2	73	2	2	58	2	4
13	22	4	2	93	2	2	73	2	2	60	4	4
14	24	2	3	93	2	2	73	2	2	58	5	4
15	24	2	5	93	4	2	73	2	2	58	2	4
16	24	2	5	93	2	4	73	2	2	58	2	4
17	24	2	5	93	3	4	73	2	2	58	5	2
18	24	2	6	93	4	2	75	2	2	62	8	4
19	24	2	6	93	4	2	75	2	4	62	4	6
20	24	2	4	93	4	2	75	4	4	60	4	4
21	24	2	4	93	2	2	73	4	2	58	6	2
22	24	2	4	93	4	2	73	5	4	60	2	2
23	24	2	4	93	4	2	73	4	2	60	6	4

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>2</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Base, Antarctica at 80.0 S Long. 120.0 W Month December 19 58

Hour (LST)	Frequency (Mc)											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>
00 129	3	14		92	6	6	76	4	2	60	4	6
01 134	3	15		92	4	6	74	4	0	58	4	4
02 119	2	13		94	2	8	74	5	2	60	5	4
03 119	3	12		94			74			60		
04 119	2	15		94	2	4	76	4		58	4	2
05 119	3	15		92	4	6	74	2	1	60	2	4
06 119	3	15		92	4	8	76	4	4	60	4	4
07 119	2	14		92	6	8	76	6	2	60	6	4
08 119	2	15		92	4	6	76	4	3	60	5	5
09 119	3	15		92	4	6	76	3	2	60	3	4
10 120	3	18		94	2	9	76	2	2	58	7	2
11 119	4	16		92	2	6	76	4	2	60	4	4
12 119	4	14		92	4	6	76	4	2	60	4	4
13 121	2	20		92	2	8	76	6	2	58	1	3
14 119	2	19		92	2	8	76	2	4	60	2	2
15 120	0	19		92			76			60		
16 121	2	18		94			76			60		
17 121	0	18		94	2	8	76	2	2	60	4	4
18 120	2	18		94	2	10	76	6	2	62	4	4
19 121	1	17		94	4	8	78	4	2	62	6	6
20 129	4	14		94	4	8	78	4	4	62	6	4
21 129	2	15		94	4	8	86	4	2	60	5	4
22 129	2	15		92	4	6	78	2	4	60	7	5
23 129	2	15		94	3	5	76	6	2	60	4	4

F<sub>m</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

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# MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month February 19 59

Hour (LST)	Frequency																															
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>		
00	111	2	2			76	4	2			58	5	3			22					26	14	8		27	4	8		22	2	2	
01	111	2	0								59	4	4			20					24	13	6		23	6	6		22	2	2	
02	111	2	2			76	4	2			59	2	4			20					22	14	4		21	8	6		22	2	2	
03	111	2	2			74					*59					20					18	14	2		19	8	8		20	2	2	
04	111	2	2			74					*56					22					18	11	2		17	6	4		22	0	2	
05	111	2	2			76	2	2			57	4	2			22					18	7	2		19	8	6		22	0	2	
06	111	2	2			74	4	2			57	4	2			20					18	4	2		17	8	6		22	2	4	
07	109	4	0			76	2	2			59	2	4			20					17	4	2		17	6	2		22	2	2	
08	109	4	0								59	3	4			22					17	3	1		17	0	6		22	2	3	
09	109	3	0			74	4	2			59	4	2			20					18	2	2						22	2	2	
10	109					76	4	4			59	4	3			20					16				17	4	4					
11	109					76	2	4			59	2	4			20					16				17	4	6					
12	109	2	2			74	4	2			58	5	3			20					18	2	2		19	2	8		22	2	0	
13	109	2	0			74	4	2			59	2	4			20					18	4	2		19	4	6		22	2	2	
14	109	2	0			74	4	2			*59					20					18	2	2		19	4	6		22	2	0	
15	111	0	2			74					*57					22					18	4	2		21	4	8		22	2	1	
16	109	2	2			76					*61					22					18	6	2		22	6	8		22	2	1	
17	109	2	0			74	4	2			59	3	4			22					18	8	2		23	6	6		22	2	0	
18	111	2	4			76	7	2			61	4	4			22					21	9	0		23	8	4		22	2	2	
19	111	2	4			76	4	4			59	6	4			22					20	14	2						22	2	2	
20	111	4	2			76	4	4			59	4	2			20					24	12	8		22	8	7		22	2	2	
21	111	4	2			76	4	2			59	4	4			20					24	16	8						22	2	2	
22	111	4	2			76	2	4			59	4	4			22					28	10	10		27	6	9		24	0	4	
23	111	4	2			76	4	2			61	4	6			22					30	8	12		27	6	6		22	2	4	

F<sub>am</sub> = median value of effective antenna noise in db above k1b  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>f</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# RADIO NOISE DATA

Station COOK, AUSTRALIA Lat. 30.6 S Long. 130.4 E Type Recorder ARN-2 Month AUGUST 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
13 kc																								
F <sub>am</sub>	156	156	156	156	156	156	154	154	152	150	150	152	150	148	150	150	150	148	150	154	154	156	155	153
D <sub>u</sub>	2	2	2	2	2	2	4	4	2	4	4	4	4	7	4	4	4	8	4	2	4	2	3	3
D <sub>l</sub>	2	3	3	3	3	4	1	2	3	3	4	6	6	4	7	4	4	8	4	6	4	6	3	3
V <sub>dm</sub>																								
L <sub>dm</sub>																								
51 kc																								
F <sub>am</sub>	122	120	122	120	120	120	118	116	112	110	112	112	112	114	114	110	112	112	119	120	122	122	122	122
D <sub>u</sub>	8	8	6	7	7	6	10	4	11	13	9	10	11	14	12	6	8	16	12	11	11	9	9	8
D <sub>l</sub>	4	2	6	4	3	4	4	6	4	6	8	6	7	8	8	6	4	5	4	9	7	6	8	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
160 kc																								
F <sub>am</sub>	91	89	91	91	89	87	81	67	63	63	59	59	59	61	61	59	*57	67	79	85	87	88	90	91
D <sub>u</sub>	13	13	11	10	13	13	19	14	10	17	25	24	22	20	20	19		39	20	15	15	11	12	17
D <sub>l</sub>	8	6	10	10	12	6	8	10	6	6	2	2	2	4	4	2		10	16	14	10	9	8	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	69	69	69	65	69	63	51	57	57	57	49	51	57	49	49	51	57	53	59	65	69	72	69	69
D <sub>u</sub>	16	13	13	17	12	17	10	6	7	6	7	3	3	4	8	5	10	19	13	15	19	18	14	20
D <sub>l</sub>	12	12	13	12	11	8	5	5	6	6	2	4	6	4	2	2	2	5	6	12	12	9	14	14
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	52	50	52	52	50	48	46	30	26	26	24	24	22	22	24	26	24	28	36	44	50	48	50	52
D <sub>u</sub>	14	12	12	8	8	8	6	10	8	6	6	8	6	8	4	2	4	12	10	16	12	10	12	8
D <sub>l</sub>	6	4	6	8	4	6	4	8	6	3	4	4	2	2	4	6	4	6	6	8	6	4	4	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	50	50	52	52	52	50	48	38	26	24	22	24	23	22	24	24	*23	32	44	56	54	58	54	52
D <sub>u</sub>	8	6	6	5	4	6	5	5	10	8	6	5	5	6	4	5		12	6	6	8	6	8	8
D <sub>l</sub>	2	4	4	4	5	4	2	9	7	6	6	6	7	4	7	6		7	8	8	4	6	4	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	41	41	41	41	41	39	39	33	26	21	17	17	17	19	23	23	*29	37	39	41	41	41	41	41
D <sub>u</sub>	3	3	2	3	2	6	3	6	12	6	6	4	13	10	5	6		5	6	5	6	4	4	4
D <sub>l</sub>	2	2	2	4	4	2	4	2	5	7	4	5	4	6	8	6		10	4	2	2	4	4	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	24	24	24	24	24	24	24	24	22	20	20	20	20	20	22	24	*26	26	26	27	26	26	25	26
D <sub>u</sub>	2	2	2	0	0	0	2	2	2	4	8	7	5	6	2	4		3	4	6	2	2	2	0
D <sub>l</sub>	0	0	0	1	2	2	2	3	2	2	2	2	2	2	2	2		2	2	3	0	2	1	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6 S Long. 130.4 E

Month September 19 58

Hour (EST)	Frequency (Mc)																															
	13 kc				51 kc				160 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc			
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	156	2	2		127	4	7		100	11	10		83	12	12		56	11	8		56	6	12		46	4	6		25	2	2	
01	156	2	2		128	5	7		103	6	13		82	11	10		55	12	9		55	7	7		46	4	5		25	2	2	
02	156	2	2		128	4	7		103	5	11		82	8	10		56	8	8		54	8	6		44	4	5		23	4	0	
03	156	2	2		128	3	8		103	6	12		80	8	8		56	7	8		54	8	6		44	4	5		23	1	2	
04	156	2	2		128	4	6		101	5	8		80	9	7		56	9	7		54	7	5		44	3	4		23	0	2	
05	156	2	2		128	4	6		97	7	7		74	9	7		54	7	8		53	4	5		42	4	2		23	2	2	
06	156	2	4		122	4	5		81	6	11		54	21	7		48	5	6		40	8	6		42	2	4		23	2	2	
07	154	2	6		117	5	6		63	28	6		50	5	3		30	6	7		30	5	6		36	4	6		23	6	3	
08	152	4	4		114	8	6		61	24	4		52	7	6		26	10	5		24	10	4		26	15	6		21	6	2	
09	152	4	4		112	12	8		63	28	6		52	23	5		27	20	7		26	8	6		18	12	2		19	8	2	
10	152	5	4		114	11	8		64	35	7		52	21	5		28	17	6		24	16	6		18	14	4		19	6	2	
11	152	4	6		116	10	12		67	28	10		52	16	4		28	22	6		24	18	6		18	14	4		17	6	0	
12	152	2	6		116	6	10		69	28	12		52	16	2		26	6	6		24	24	10		18	14	4		19	4	4	
13	152	6	6		118	6	10		75	29	18		52	9	4		26	6	6		24	7	8		20	15	6		21	7	4	
14	153	3	5		118	9	9		75	29	18		52	18	4		24	9	5		24	11	9		22	13	6		21	5	2	
15	154	3	6		118	6	12		73	32	16		52	27	4		26	21	4		24	10	10		26	13	8		23	8	2	
16	156	2	8		118	10	7		74				53	12	4		24	7	4		27	15	11		36				25	8	4	
17	156	0	6		120	10	10		78	32	15		58	27	8		32	11	12		36	22	8		42	8	7		27	6	4	
18	154	2	6		119	14	9		95	19	20		71	21	10		49	14	15		54	9	14		46	6	7		26	7	3	
19	154	4	4		122	15	7		96	21	14		77	18	9		56	15	11		60	4	10		46	6	5		27	7	2	
20	156	2	4		124	8	7		100	10	11		82	12	7		58	10	11		56	7	7		46	2	6		27	10	3	
21	156	3	5		126	6	7		99	11	10		85	11	10		59	7	10		58	4	9		46	2	7		25	8	0	
22	156	3	5		126	7	7		100	10	9		84	11	10		58	12	10		58	4	9		44	7	5		27	3	3	
23	156	2	4		127	5	6		102	7	8		84	12	9		56	12	9		56	5	9		44	5	5		25	6	0	

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>g</sub> = ratio of upper decile to median in db  
V<sub>dm</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6 S Long. 130.4 E

Month October

19 58

Hour (LST)	Frequency (Mc)											
	13 kc			51 kc			160 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub> V <sub>dm</sub> L <sub>dm</sub>
00	156 4	2		129 5	5		102 12	8		82 12	10	
01	156 2	2		130 2	6		104 10	10		80 10	10	
02	156 2	2		130 4	6		104 6	8		81 9	9	
03	156 2	2		129 3	5		102 8	6		78 12	8	
04	156 2	2		128 4	4		100 6	4		76 8	10	
05	156 2	2		126 4	6		96 10	12		58 18	8	
06	154 2	2		120 11	4		74 34	11		53 29	5	
07	152 2	3		112 12	3		71 34	13		52 23	2	
08	150 4	6		112 14	8		68 36	10		52 17	4	
09	150 2	4		112 12	8		69 27	11		51 6	5	
10	150 4	2		114 6	10		66 14	8		52 4	6	
11	150 4	5		116 12	10		68 29	10		52 5	5	
12	149 5	2		116 9	7		60 29	22		50 16	4	
13	150 7	6		116 12	6		81 27	21		50 10	6	
14	152 8	4		122 8	10		82 29	12		52 28	6	
15	154 6	4		122 10	10		82 31	18		50 32	4	
16	154 4	4		118 12	6		76 31	11		50 26	5	
17	154 6	5		120 18	10		88 31	26		58 38	10	
18	152 6	4		120 18	12		100 20	21		77 17	19	
19	154 6	6		124 8	8		102 12	14		80 18	14	
20	154 6	4		126 8	4		100 12	12		83 13	11	
21	155 5	3		128 6	6		102 17	6		84 10	6	
22	154 4	2		128 6	4		102 12	6		84 12	10	
23	156 4	2		128 6	4		102 14	8		82 12	6	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>f</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month November 19 58

Time (hr)	Frequency (Mc)											
	13 kc			51 kc			160 kc			545 kc		
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>
00	158	4	3	133	8	4	112	6	12	90	9	11
01	158	4	2	135	4	8	110	6	9	90	8	12
02	158	4	2	133	6	4	108	7	7	86	8	11
03	158	4	2	133	4	6	108	4	7	85	5	12
04	158	3	4	131	6	4	106	6	7	77	11	8
05	156	4	2	125	6	6	90	13	7	55	11	4
06	154	4	3	123	7	6	82	22	14	53	15	2
07	154	3	4	119	7	7	80	22	11	53	12	2
08	153	4	4	117	9	6	82	18	15	53	11	3
09	152	6	3	119	6	5	86	14	12	53	8	4
10	152	6	5	121	6	10	82	18	10	52	14	3
11	152	6	4	124	7	6	94	17	13	57	12	8
12	155	7	5	127	7	7	98	12	20	56	24	7
13	156	7	6	131	6	8	99	17	14	56	26	8
14	158	7	4	131	7	8	98	18	12	57	27	8
15	160	5	6	133	7	10	104	14	22	59	31	10
16	160	6	4	132	11	7	106	16	18	55	32	6
17	160	6	4	131	10	6	104	17	15	57	30	6
18	159	5	6	129	11	6	104	17	6	75	16	13
19	158	7	4	131	10	4	110	11	6	87	11	9
20	158	7	4	135	8	6	112	10	4	89	12	6
21	160	4	6	135	6	5	112	8	6	91	12	7
22	160	3	6	135	6	5	110	8	5	93	10	10
23	158	6	3	135	7	6	110	8	8	92	11	11

F<sub>am</sub> = median value of effective antenna noise in db above k1b

D<sub>g</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6 S Long. 130.4 E

Month December

19 58

Hour (IST)	Frequency (Mc)											
	13 kc				51 kc				160 kc			
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	161 4 5				136 4 6				114 5 7			
01	162 2 6				136 4 7				115 3 9			
02	162 2 5				137 3 8				115 2 10			
03	160 2 4				136 2 7				111 5 7			
04	160 3 4				134 4 8				109 5 7			
05	158 3 2				128 2 6				95 12 12			
06	156 4 2				126 5 9				89 16 20			
07	156 4 4				122 6 10				88 18 15			
08	157 3 6				122 7 11				89 16 18			
09	156 4 6				125 5 9				91 16 14			
10	156 5 5				126 6 9				89 15 12			
11	158 4 8				128 4 10				91 14 12			
12	159 3 7				128 6 4				95 10 10			
13	160 4 6				134 4 10				99 17 11			
14	164 4 8				136 6 8				103 18 10			
15	166 2 6				136 9 8				104 19 13			
16	164 2 5				134 8 7				105 16 14			
17	164 2 4				132 11 4				103 18 9			
18	162 5 6				132 9 6				105 13 8			
19	160 4 4				132 9 6				113 7 6			
20	162 4 4				136 5 5				117 3 5			
21	162 4 4				138 2 7				117 4 7			
22	162 2 5				136 4 4				115 6 5			
23	162 3 4				136 5 5				115 6 7			

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>g</sub> = ratio of upper decile to median in db

V<sub>dm</sub> = ratio of median to lower decile in db

L<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6S Long. 130.4E

Month January 19 59

Hour (LT)	Frequency											
	13 kc				51 kc				160 kc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>
00	160	6	6	10.5	160	135	8	2	10.0	17.5	113	5
01	160	5	6	10.0	150	137	5	4	10.5	150	113	5
02	160	4	3	9.5	155	135	6	3	10.5	170	111	8
03	160	3	5	10.5	155	135	7	4	10.5	175	111	6
04	159	3	4	11.0	175	134	5	5	11.0	185	109	7
05	158	4	2	11.0	170	130	6	5	12.0	7.5	97	11
06	158	2	4	12.0	190	125	7	4	11.5	4.5	83	22
07	154	6	2	12.5	205	119	13	3	13.5	5.0	85	20
08	154	7	2	13.0	210	119	11	6	15.0	6.0	83	21
09	154	6	2	14.0	225	123	5	8	14.5	4.5	83	17
10	154	6	4	15.0	230	122	9	9	16.0	5.0	83	21
11	154	4	4	15.0	230	123	7	8	15.0	4.0	83	16
12	154	8	4	14.0	220	123	12	8	14.0	5.0	89	15
13	156	6	6	14.0	225	127	10	8	13.0	6.0	91	14
14	157	7	5	11.5	200	129	8	8	9.0	5.0	95	17
15	158	8	4	10.0	170	131	9	7	6.5	4.0	101	14
16	160	6	6	9.0	145	131	8	6	7.5	4.0	100	16
17	160	6	4	9.0	160	129	10	4	7.5	5.5	100	16
18	160	6	4	9.5	160	129	10	2	7.5	8.0	99	16
19	158	6	4	9.5	170	133	8	8	9.0	11.0	109	10
20	160	8	5	10.0	165	137	4	6	8.5	6.5	114	5
21	160	6	6	9.0	170	137	4	6	8.5	10.0	115	4
22	160	7	4	9.0	165	139	3	8	8.5	13.5	115	2
23	160	5	4	10.5	165	137	6	4	10.0	14.5	113	6

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>g</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6 S Long. 130.4 E

Month February 19 59

Hour (LST)	Frequency											
	13 kc				51 kc				160 kc			
	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>
00	161	6	2	10.5/16.5	137	8	8	10.5/17.0	113	12	10	9.0/16.0
01	163	2	4	10.0/16.0	137	4	6	10.0/19.0	111	10	10	8.5/17.0
02	161	4	2	10.5/18.0	137	6	6	10.0/18.5	111	12	8	9.5/18.0
03	163	4	4	11.0/17.0	137	4	8	10.5/17.5	111	10	12	9.0/16.5
04	161	4	3	11.0/18.0	135	4	6	10.5/18.0	112	7	11	9.0/16.0
05	161	4	4	12.0/18.0	133	7	5	12.0/18.0	107	8	6	9.5/18.5
06	161	2	6	11.0/18.0	127	4	6	10.0/16.5	87	16	8	12.0/19.0
07	157	4	4	12.0/19.0	123	8	8	10.0/19.0	77	26	14	9.5/15.5
08	157	4	4	13.0/20.0	121	9	8	13.0/20.5	79	19	16	13.0/19.0
09	155	6	4	14.0/21.0	123	7	12	14.0/23.0	83	16	14	14.0/22.0
10	155	6	6	13.0/22.0	123	8	10	14.0/22.0	84	17	17	13.5/19.0
11	155	6	6	14.0/23.0	123	10	11	15.0/24.5	86	13	19	10.5/18.0
12	155	7	5	13.0/21.5	125	8	9	13.0/21.0	89	18	15	11.5/16.5
13	159	4	6	11.5/20.0	129	6	9	8.5/16.0	99	13	23	8.0/16.0
14	160	7	5	9.0/15.5	131	6	8	7.5/14.0	97	14	19	6.5/13.5
15	163	6	10	7.0/14.0	134			6.0/13.5	99			5.5/11.0
16	165			6.5/12.0	135			5.0/9.5	107	12	15	7.5/13.0
17	164	3	5	8.0/12.0	129	12	6	6.0/10.5	101	18	22	8.0/14.0
18	161	7	4	7.5/15.0	129	12	8	7.5/12.0	105	14	21	7.0/13.0
19	161	4	8	9.0/15.0	133	8	10	7.5/15.0	113	8	18	6.0/11.5
20	163	4	6	9.5/18.0	137	6	11	7.0/15.0	115	8	15	6.0/12.0
21	163	4	6	11.0/17.5	138	6	10	7.5/15.0	115	8	12	7.5/14.0
22	163	6	6	11.0/18.0	137	6	6	8.5/16.5	115	6	12	8.0/16.0
23	161	8	2	12.0/18.0	137	6	6	9.0/17.0	113	14	8	8.0/17.0

F<sub>m</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>f</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# RADIO NOISE DATA

Station ENKOPING, SWEDEN Lat. 59.5 N Long. 17.3 E Type Recorder ARN-2 Month APRIL 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F <sub>am</sub>	118	118	116	115	114	108	104	98	96	*100	*105	*106	108	108	108	110	108	107	108	112	116	115	116	118
D <sub>u</sub>	4	4	6	9	6	8	8	13	8				5	5	7	2	6	8	8	6	4	5	6	4
D <sub>l</sub>	4	4	4	5	8	6	6	4	4				2	7	4	6	6	5	4	6	6	3	2	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 kc																							
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 kc																							
F <sub>am</sub>	76	78	78	78	76	66	68	69		*72	*70					*66	*66		*78					*78
D <sub>u</sub>	5	4	3	6	5	11	12	12																
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc																							
F <sub>am</sub>	*78	*69	67	66	*67	60	60	*58	*60	*60	*60	62	64	62	60	62	63	62	*67	*74	*65	*80	*74	
D <sub>u</sub>			10	11		11	6					3	2	2	4	7	3	6						
D <sub>l</sub>			3	7		5	4					7	8	8	6	9	5	6						
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc																							
F <sub>am</sub>	*58	*57	*58	*54	*50	*40	*37	*38	*38	*34	*38	*38	38	40	42	*42	*50	*52	*50	*50	*52	*54	*56	*56
D <sub>u</sub>														6	6	4								
D <sub>l</sub>														6	4	10								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	54	54	50	54	52	48	37	36	34	28	38	23	25	26	24	29	27	33	37	46	54	54	53	56
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	*23	*23	*23	*25	*24	*24	*24	*25	*25	*25	*25	*24	26	27	27	29	31	29	31	29	28	*25	*25	*25
D <sub>u</sub>													3	2										
D <sub>l</sub>													3	4										
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station ENKOPING, SWEDEN Lat. 59.5 N Long. 17.3 E Type Recorder ARN-2 Month MAY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
F <sub>am</sub>	126	126	120	118	112	111	114	104	110	*116	*110	*116	*116	118	118	120	120	122	122	120	122	128	128	128
D <sub>u</sub>	6	7	9	10	16	15	24	26	20					10	12	9	10	9	7	9	8	4	5	5
D <sub>l</sub>	11	13	7	6	10	12	8	10	10					6	5	6	8	11	11	4	9	10	10	12
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc																								
F <sub>am</sub>	93	85	82	75	71	*67	69	*93	*90	*71	*69	*81	*89	*95		*73	*91	*93	*95	*93	*95	*97	*101	92
D <sub>u</sub>	12	15	12	6	12		27																	13
D <sub>l</sub>	10	9	7	11	6		2																	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	*80	68	64	*58	*61	*60	*62	*60	*64	*63	*62	*60	*59	*62	*62	*64	62	*62	*72	*71	*78	*77	*80	*79
D <sub>u</sub>		14	7														6							
D <sub>l</sub>		6	6														6							
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	60	61	*58	*56	44	*39	*34	36	*34	*31	*34	*34	*37	*36	34	*36	*46	*46	47	*56	62	62	64	62
D <sub>u</sub>	11	11			8			4							6				4		4	6	7	9
D <sub>l</sub>	8	9			8			8							8				5		7	4	8	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	59	58	57	56	51	*44	37	*34	*29	*26	*25	*27	*26	*27	*27	*32	39	44	49	56	61	62	61	63
D <sub>u</sub>	8	9	8	7	6		10										6	6	8	6	3	5	6	4
D <sub>l</sub>	3	3	4	5	6		4										6	8	8	8	4	5	4	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	49	49	49	47	47	*47	44	40	33	37	32	35	36	39	37	43	45	*49	51	51	53	*53	*54	*51
D <sub>u</sub>	4	6	3	7	6		5										3		2	3	3			
D <sub>l</sub>	8	8	8	6	9		8												7	6	3	4		
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mo																								
F <sub>am</sub>	25	25	23	23	25	25	27	*25	*25	*25	*25	*27	*29	27	29	29	29	*31	31	29	28	27	27	25
D <sub>u</sub>	2	2	4	4	2	2	0								4	4	2	4		2	6	11	4	2
D <sub>l</sub>															4	6	6	6		6	5	5	4	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								



# RADIO NOISE DATA

Station ENKOPING, SWEDEN Lat 59.5 N Long 17.3 E Type Recorder ARN-2 Month JUNE 1958

L S T																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
51 kc																									
F <sub>am</sub>	128	122	120	116	114	114	114	114	*116	*120	*121	124	124	127	128	128	126	124	124	124	124	124	124	126	126
D <sub>u</sub>	2	6	6	7	11	12	9	8				8	8	7	8	7	9	7	6	4	5	6	6	6	
D <sub>ℓ</sub>	11	6	7	5	6	9	12	12				4	4	5	6	5	4	3	6	7	8	6	6	8	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
246 kc																									
F <sub>am</sub>	89	84	75	65	*65	*67	*67	*66		*69	*74	*75				*89	*83	*88	*91	*89	*91	*87	*87	*89	*87
D <sub>u</sub>	2	4	10	12																					
D <sub>ℓ</sub>	10	9	10	4																					
V <sub>dm</sub>																									
L <sub>dm</sub>																									
545 kc																									
F <sub>am</sub>	*75	68	58	*54	56	*56	*56	*56	*60	*60	*61	*61	*60	*60	*61	*62	60	*68	64	*73	*75		*76		
D <sub>u</sub>		6	8		6												8		11						
D <sub>ℓ</sub>		4	4		4												4		4						
V <sub>dm</sub>																									
L <sub>dm</sub>																									
F <sub>am</sub>																									
D <sub>u</sub>																									
D <sub>ℓ</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
F <sub>am</sub>																									
D <sub>u</sub>																									
D <sub>ℓ</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
F <sub>am</sub>																									
D <sub>u</sub>																									
D <sub>ℓ</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									

# RADIO NOISE DATA

Station ENKOPING, SWEDEN Lat. 59.5 N Long. 17.3 E Type Recorder ARN-2 Month JULY 1958

		L S T																							
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
		51 kc																							
F <sub>am</sub>		130	128	126	122	121	118	118	118	120	121	125	126	128	132	132	132	133	132	130	128	126	128	130	130
D <sub>u</sub>		6	7	6	7	7	10	12	10	8	7	3	10	12	8	10	8	4	4	6	6	8	6	6	6
D <sub>l</sub>		5	2	6	6	9	6	8	6	8	9	13	5	4	8	6	8	8	8	6	6	4	4	4	6
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		113 kc																							
F <sub>am</sub>																									
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		246 kc																							
F <sub>am</sub>		95	93	86	71	72	73	71	*85	89	78	81	89	97	97	99	96	96	95	93	95	93	95	99	95
D <sub>u</sub>		9	9	10	24	15	18	16		2	13	20	20	10	12	19	13	12	10	8	6	4	8	7	10
D <sub>l</sub>		10	9	8	6	7	6	6		8	9	11	16	6	8	14	19	5	8	10	8	6	4	8	6
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		545 kc																							
F <sub>am</sub>																									
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		2.5 Mc *																							
F <sub>am</sub>		62	60	60	56	42	44	36	35	29	28	26	41	35	36	34	36	47	38	48	52	55	60	62	63
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		5 Mc *																							
F <sub>am</sub>		61	63	59	55	49	39	36	31	24	26	22	30	29	31	31	43	43	47	53	55	59	61	63	61
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		10 Mc *																							
F <sub>am</sub>		50	50	51	43	42	45	40	37	28	32	34	36	36	42	38	40	44	44	48	48	50	54	55	54
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		20 Mc *																							
F <sub>am</sub>		22	22	22	22	22	22	21	22	24	24	22	24	26	24	24	24	25	26	25	24	24	24	23	22
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									

# MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden

Lat. 59.5 N Long. 17.3 E

Month August 19 58

Hour (LST)	Frequency (Mc)																																		
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc						
	F <sub>am</sub>		D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	128	6	6			96	5	5			64					62					48					23									
01	130	4	8			97	6	6			64					61					48					23									
02	130	6	8			91	10	8			62					63					44					23									
03	128	4	10			83	14	16			58					59					42					21									
04	124	4	10			75	16	12			48					52					42					23									
05	122	6	8			71	8	8			35					46					42					23									
06	120	6	10			72	9	9			32					39					41					23									
07	120	2	10								34					33					36					23									
08	120										30					27					36					23									
09	122					*75					28					23					30					23									
10	120					*77					30					25					34					25									
11	124					*81					33					24					34					25									
12	126	7	4			*94					36					27					34					27									
13	128	9	4			*97					36					32					36					27									
14	128	9	4			*89					42					39					37					27									
15	128	6	2			*85					41					35					40					27									
16	130	4	13			*91					44					37					42					27									
17	128	2	6			*89					46					41					46					27									
18	128	4	8			*83					50					47					48					30									
19	126	6	6			*93					52					51					48					27									
20	128	6	8			*91					52					58					52					25									
21	131					*97					62					62					50					25									
22	130	6	6			*97					62					62					51					23									
23	128	4	6			*95					62					63					50					23									

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

USCNR-452-12

RN-13





# MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden

Lat. 59.5 N Long. 17.3 E

Month November 19 58

Time (LST)	Frequency (Mc)											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>
00	116 7 6			80	4 5		84	4 7		47 5 5	48 6 6	
01	116 7 4			79	6 4		70	8 4		45 8 11	47 8 10	
02	115 9 5			79	4 6		70	4 4		45 7 13	48 7 3	
03	114 6 6			79	4 6		70	10 5		45 7 11	49 5 7	
04	116 4 6			77	2 7		78			43 7 10	48 4 8	
05	116 5 8			76	5 5		80			44 8 11	46 6 7	
06	112 6 4			74	6 10		75			44 8 5	46 6 6	
07	110 6 10			81			70	10 6		38 8 9	40 11 6	
08	104 7 6			83			66			37 6 9	36 12 9	
09	106 6 8			73			64	14 5		45 2 8		
10	104 7 4			71			66			45 6 15	34 6 6	
11	102			81			65			47 2 15	22 6 4	
12	106 7 6			89			68	16 8		45 7 8	21 10 3	
13	105 6 6			90	10 9		68	12 8		47 4 9	25 6 5	
14	106 7 9			93	6 11		72	8 7		47 6 2	28 7 8	
15	108 2 10			85			76			53 4 8	36 4 7	
16	108 6 5			88	12 6		84	8 18		51 5 6	37 4 8	
17	110 7 4			89	8 0		86	8 8		49 8 6	40 6 5	
18	114 4 5			95	7 10		82	10 6		48 12 3	44 5 7	
19	114 6 4			97	10 10		88	7 11		47 6 5	46 6 6	
20	116 6 6			99	5 13		86	10 4		47 5 6	48 4 10	
21	116 6 4			101	10 10		88	7 4		47 7 3	48 6 6	
22	116 4 6			101	11 11		94			47 6 3	49 5 6	
23	115 5 5			82	7 7		82	7 7		47 6 3	50 4 5	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

15-57446-102-12

RN-13

# MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden

Lat. 59.5N Long. 17.3E

Month December 19 58

Time (UT)	Frequency (Mc)											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>
00	116	4	4				78			73	46	
01	116	4	4				78			64	50	
02	116	2	4				76			62	39	
03	116						74			66	44	
04	114	4	6				74			74	40	
05	112	6	2				76			74	42	
06	116						76			70	59	
07	112						77			64	44	
08	108						89			70	40	
09	102						78			72	38	
10	100						92			70	40	
11	98						82			72	36	
12	104						86			70	42	
13	100						86			75	44	
14	102						89			70	48	
15	102						86			68	52	
16	106	4	4				88			76	47	
17	110	4	2				88			80	42	
18	113	5	3				90			81	41	
19	114	6	4				89			81	42	
20	116	4	6				92			82	43	
21	114						96			86	44	
22	114	6	2				96			88	47	
23	115	5	5				80			80	48	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>am</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden

Lat. 59.5 N Long. 17.3 E

Month February 19 59

Hour (LST)	Frequency											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub> L <sub>dm</sub>
00	113 2 4						73 6 4			*71		
01	113 4 3						74 8 3			64 3 5		
02	113 4 2						73 6 4			62 7 4		
03	113 4 2						73 4 8			*63		
04	113 4 3						*72			*71		
05	113 3 4						*70			*75		
06	111 6 4						*75			*71		
07	107									*72		
08	102									*69		
09	95									*64		
10	99									*63		
11	100									*62		
12	97									*60		
13	99									*65		
14	97									*63		
15	97 4 4									*76		
16	101 7 6									*73		
17	103 7 4									*79		
18	105 4 3									*79		
19	109 3 2									*81		
20	110 3 3									*81		
21	111 4 3									*81		
22	111 5 3									*83		
23	113 4 2						*72			80 9 7		

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>l</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

## RADIO NOISE DATA

Station Front Royal, Virginia Lat. 39 N Long. 78 W Type Recorder Commercial Modified Month November 19 57

[illegible]

# RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month DECEMBER 1957

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
135 kc *																								
F <sub>am</sub>	101	100	101	101	98	97	95	89	85	87	86	86	87	87	88	87	90	91	94	96	98	98	98	101
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
535 kc *																								
F <sub>am</sub>	88	88	88	87	85	84	78	63	59	60	58	58	58	58	58	58	60	67	73	78	81	85	87	88
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.18 Mc *																								
F <sub>am</sub>	54	54	54	52	50	49	48	42	32	30	29	30	29	28	30	32	34	47	50	53	54	55	55	56
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc *																								
F <sub>am</sub>	43	40	41	42	39	38	39	37	37	34	32	28	30	30	32	37	40	41	43	43	43	42	43	42
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc *																								
F <sub>am</sub>	21	21	20	20	21	21	21	22	25	28	29	27	27	28	29	27	27	28	29	27	25	23	22	21
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								



## RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month JANUARY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 ke																							
F <sub>om</sub>	104	103	104	103	104	102	100	98	92	92	*91	*92	89	89	90	89	94	96	99	101	104	105	106	103
D <sub>u</sub>	7	8	7	6	5	10	9	4	3	5			5	5	3	5	3	4	3	4	4	4	3	6
D <sub>ℓ</sub>	4	4	6	5	7	4	4	6	6	5			6	6	6	5	7	7	5	5	5	7	5	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	535 ke																							
F <sub>om</sub>	87	87	89	88	86	86	83	69	65	63	*62	*61	62	62	62	62	63	70	72	76	82	85	85	86
D <sub>u</sub>	6	7	4	6	6	4	6	8	5	4			3	4	2	4	6	5	8	7	7	4	7	5
D <sub>ℓ</sub>	4	4	6	3	6	6	5	4	3	2			5	4	5	5	6	12	5	6	8	8	3	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.18 Me																							
F <sub>om</sub>	59	59	59	58	58	59	57	47	36	34	29	31	29	28	28	29	30	44	51	53	57	59	59	58
D <sub>u</sub>	6	6	10	11	6	7	9	9	6	2	7	3	4	6	5	5	4	3	4	6	6	5	4	5
D <sub>ℓ</sub>	7	6	7	6	7	7	9	4	7	8	2	4	3	4	<4	5	6	7	5	7	9	10	8	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mo																							
F <sub>om</sub>	62	59	59	58	56	57	55	50	38	34	31	29	29	29	30	32	39	50	56	60	62	64	64	64
D <sub>u</sub>	6	7	3	7	6	6	7	7	5	4	2	2	2	3	2	4	6	5	6	6	3	4	5	4
D <sub>ℓ</sub>	6	6	5	4	4	4	3	3	3	3	3	3	2	2	2	3	4	7	6	5	3	6	4	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mo																							
F <sub>om</sub>	45	44	44	42	42	41	41	41	36	33	*29	29	30	30	32	37	42	45	47	48	48	48	46	46
D <sub>u</sub>	5	6	5	8	5	6	6	6	6	5		6	4	4	4	3	2	4	2	3	4	2	4	4
D <sub>ℓ</sub>	5	5	5	2	4	2	3	2	2	2		2	3	3	3	5	4	4	4	6	6	5	4	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mo																							
F <sub>om</sub>	21	21	21	21	22	22	22	24	26	27	*26	27	28	28	27	28	28	28	28	27	25	24	22	22
D <sub>u</sub>	2	2	2	2	0	1	1	3	2	4		2	1	1	3	3	1	2	3	4	4	2	3	1
D <sub>ℓ</sub>	4	4	4	4	5	4	4	6	4	4		3	3	4	2	3	2	2	2	1	3	3	3	3
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>om</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>om</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month FEBRUARY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F <sub>am</sub>	109	108	107	106	107	108	102	99	94	95	98	96	99	99	99	100	94	95	97	101	107	108	108	108
D <sub>u</sub>	8	7	6	9	12	7	11	10	14	11	7	9	7	9	5	9	9	11	9	11	9	7	7	10
D <sub>ℓ</sub>	10	9	7	6	6	8	5	5	4	6	8	7	5	5	4	7	6	7	6	7	7	9	9	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	535 kc																							
F <sub>am</sub>	87	87	88	89	86	84	74	63	62	62	62	60	60	61	60	61	62	63	69	76	80	80	85	83
D <sub>u</sub>	15	13	14	10	13	15	20	18	17	17	16	5	6	15	13	15	13	16	15	11	13	14	15	9
D <sub>ℓ</sub>	6	6	5	9	7	10	8	7	6	6	6	2	4	5	2	3	3	4	8	9	11	6	8	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.18 Mc																							
F <sub>am</sub>	63	62	62	60	61	59	55	42	37	35	37	35	35	34	35	36	40	45	53	60	63	62	67	65
D <sub>u</sub>	11	12	12	14	10	12	10	12	14	11	4	6	6	7	7	7	8	20	20	16	16	12	8	9
D <sub>ℓ</sub>	11	12	12	10	11	8	8	5	3	2	4	3	4	3	3	4	7	8	8	9	9	7	14	13
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	66	65	64	58	58	59	58	51	41	37	33	32	32	33	33	37	40	48	60	60	65	64	66	68
D <sub>u</sub>	6	5	5	10	8	6	5	9	8	9	4	5	5	4	4	5	11	14	9	9	7	7	5	6
D <sub>ℓ</sub>	5	9	11	4	6	7	8	9	4	3	2	3	2	3	3	6	7	8	11	8	9	7	7	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>	45	45	42	41	*40	41	*40	42	42	36	37	*35	*33	36	37	40	44	47	48	49	49	48	46	46
D <sub>u</sub>	7	4	8	11		8		4	2	7	3			5	7	8	10	13	12	10	10	9	8	8
D <sub>ℓ</sub>	6	7	4	4		6		4	7	4	6			8	7	11	9	8	6	6	7	7	6	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	21	22	22	23	24	25	25	*24	*30	*30	*31	*28	28	28	29	30	30	32	32	31	27	24	22	22
D <sub>u</sub>	2	3	3	2	3	2	3						4	4	5	4	7	5	5	4	6	5	4	5
D <sub>ℓ</sub>	1	2	2	3	3	3	3						2	3	5	3	2	5	5	4	3	3	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month MARCH 19 58

L & T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
135 kc																								
F <sub>am</sub>	107	107	107	109	112	108	109	101	98	98	99	97	101	100	99	100	99	99	102	105	107	108	108	108
D <sub>u</sub>	13	13	12	10	5	10	7	6	6	7	4	4	4	8	8	6	6	6	5	9	10	9	11	12
D <sub>ℓ</sub>	5	4	4	7	8	3	3	5	5	4	5	4	7	6	4	5	5	4	5	5	5	6	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
535 kc *																								
F <sub>am</sub>	91	92	94	98	92	91	70	64	61	61	60	62	63	64	63	65	65	66	68	74	82	89	90	91
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	64	64	64	64	60	60	46	38	32	32	30	32	32	31	32	31	35	38	51	60	63	63	63	63
D <sub>u</sub>	11	9	7	7	11	10	10	5	5	4	7	4	6	7	4	5	4	7	6	8	8	7	10	11
D <sub>ℓ</sub>	7	6	5	6	7	10	7	4	5	5	4	4	4	4	6	4	6	5	10	9	8	7	7	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	63	60	60	61	60	59	55	44	36	33	31	31	30	30	30	31	35	42	54	61	64	63	65	65
D <sub>u</sub>	6	8	8	7	7	8	7	6	2	2	2	1	2	1	2	2	3	7	8	5	6	9	8	9
D <sub>ℓ</sub>	6	4	3	4	5	3	8	6	3	2	1	2	1	1	1	1	2	5	5	6	7	4	5	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	45	44	43	43	44	44	43	40	36	34	32	29	29	31	33	36	42	45	48	49	48	47	47	46
D <sub>u</sub>	5	7	6	6	5	7	9	7	5	4	3	6	6	6	4	5	3	6	5	4	4	5	5	6
D <sub>ℓ</sub>	5	4	3	3	5	4	4	6	5	5	6	6	2	2	5	5	7	4	4	3	3	3	5	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	24	24	25	25	25	25	25	*27	*29	*29	*29	*28	30	30	31	31	30	30	30	29	28	26	25	25
D <sub>u</sub>	2	2	1	2	1	1	1						4	2	3	4	3	5	5	3	4	3	3	2
D <sub>ℓ</sub>	2	2	2	2	2	2	2						4	2	3	2	2	2	2	3	3	2	3	3
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								



# RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month APRIL 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F <sub>am</sub>	113	113	113	111	113	108	100	100	96	97	98	98	100	101	99	100	100	100	102	107	113	116	114	114
D <sub>u</sub>	15	15	13	14	11	12	14	12	11	6	12	10	10	9	14	15	20	27	21	13	14	12	14	15
D <sub>ℓ</sub>	9	7	8	5	7	9	6	6	4	6	10	6	6	6	4	6	6	7	8	9	11	12	9	10
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	535 kc *																							
F <sub>am</sub>	93	93	92	92	91	77	72	71	71	69	69	69	69	70	69	72	75	79	79	75	88	90	91	93
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc *																							
F <sub>am</sub>	71	71	69	69	67	56	44	40	35	33	33	33	33	35	35	37	43	56	63	69	72	75	73	
D <sub>u</sub>	8	9	10	8	9	15	14	12	7	6		7	9	18	21	16	29	30	17	15	9	7	4	6
D <sub>ℓ</sub>	10	10	10	8	7	7	8	7	5	3		4	4	5	7	6	5	8	13	5	8	10	13	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	66	66	65	65	62	59	46	41	36	33	31	30	31	32	32	33	37	44	55	62	64	66	66	67
D <sub>u</sub>	7	5	5	5	5	7	10	13	9	7	9	6	5	7	6	5	11	16	10	8	10	9	10	8
D <sub>ℓ</sub>	6	10	8	8	8	8	5	5	4	5	5	2	2	4	4	4	4	7	6	4	4	6	6	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>	50	50	49	47	46	45	47	42	37	36	37	33	33	34	35	39	44	49	51	54	54	53	51	51
D <sub>u</sub>	6	6	7	8	8	9	5	8	10	11	8	11	7	8	9	10	8	11	8	7	6	6	5	5
D <sub>ℓ</sub>	7	8	7	5	5	5	9	8	3	5	7	4	4	3	5	5	5	6	4	5	7	7	6	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	27	27	27	27	27	27	27	28	29	30	30	30	29	29	29	29	31	31	32	32	30	28	28	28
D <sub>u</sub>	6	6	5	4	4	4	5	5	6	2	4	5	5	6	4	4	5	8	5	5	5	6	5	4
D <sub>ℓ</sub>	2	1	1	1	1	1	2	3	2	5	5	6	4	5	5	4	6	5	6	6	5	3	3	3
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month MAY 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
135 kc																								
F <sub>am</sub>	122	121	120	120	119	109	104	104	106	106	106	107	105	108	108	111	113	114	115	115	118	123	123	123
D <sub>u</sub>	4	4	5	5	7	9	13	14	12	10	11	13	15	23	28	25	20	19	16	10	7	5	6	4
D <sub>l</sub>	7	8	8	8	5	6	4	5	4	5	5	7	8	9	10	11	12	13	13	11	9	10	8	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								
500 kc																								
F <sub>am</sub>	88	87	87	88	80	68	67	68	71	70	*70	*70	*73	74	74	74	82	80	78	76	81	84	88	88
D <sub>u</sub>	6	5	5	5	8	7	7	5	3	4				>30	>30	>30	>20	>22	>24	17	7	9	9	7
D <sub>l</sub>	8	9	8	10	3	5	4	5	7	6				5	5	5	13	11	9	7	6	6	10	10
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	73	72	73	73	71	53	47	39	33	31	32	33	41	42	42	44	43	47	55	66	73	73	73	72
D <sub>u</sub>	7	7	7	7	8	11	10	11	8	8	9	14	19	39	>42	38	31	25	15	9	7	8	8	7
D <sub>l</sub>	8	7	9	10	9	10	9	4	2	2	3	4	5	5	5	8	8	13	16	16	12	8	6	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	63	61	62	62	60	51	41	36	29	27	27	27	33	33	33	35	39	45	63	63	63	65	64	63
D <sub>u</sub>	3	5	4	5	7	8	10	9	7	5	4	6	13	21	32	28	18	12	9	8	10	4	4	4
D <sub>l</sub>	5	3	5	6	5	5	4	4	2	2	2	2	2	2	2	4	8	10	8	8	3	5	4	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	50	50	50	49	49	50	47	43	37	35	33	33	37	38	42	44	45	48	49	52	53	52	52	52
D <sub>u</sub>	4	3	4	4	4	3	4	6	8	7	6	5	8	11	13	10	6	3	6	3	3	3	3	2
D <sub>l</sub>	2	4	4	4	4	7	4	5	4	5	3	4	4	4	6	5	6	6	4	5	3	2	3	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	28	28	28	28	27	27	27	27	27	27	26	26	29	30	31	32	30	31	32	32	30	29	28	28
D <sub>u</sub>	1	1	1	1	1	1	2	2	3	2	2	2	3	4	7	5	3	5	4	2	3	3	2	3
D <sub>l</sub>	1	2	2	1	1	2	2	2	1	2	1	2	1	2	2	3	2	2	3	3	2	2	1	1
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 36.8 N Long. 78.2 W Type Recorder ARN-2 Month JUNE 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
135 kc																								
F <sub>am</sub>	121	121	121	120	123	113	111	111	108	108	109	111	111	116	117	120	120	119	118	118	118	122	122	121
D <sub>u</sub>	5	6	6	8	6	12	14	12	15	14	12	9	15	16	21	21	18	21	21	20	16	10	10	10
D <sub>l</sub>	7	5	5	5	6	10	10	8	7	7	10	11	11	14	14	15	15	14	15	13	10	8	7	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
500 kc																								
F <sub>am</sub>	90	90	89	88	81	67	68	68	64	65	65	65	72	74	74	76	76	77	77	76	78	85	88	89
D <sub>u</sub>	6	8	7	7	7	11	8	8	9	10	11	15	22	30	24	38	36	38	23	26	28	15	12	12
D <sub>l</sub>	9	8	7	6	5	3	4	3	3	4	5	6	6	8	7	10	9	11	10	8	7	9	10	11
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	74	74	73	73	72	48	42	39	33	33	33	32	37	39	39	39	42	42	48	57	68	71	71	72
D <sub>u</sub>	8	7	6	5	3	8	8	8	7	8	5	10	17	34	41	35	30	37	31	25	13	11	10	10
D <sub>l</sub>	9	7	4	6	8	7	6	3	3	4	5	3	4	6	6	4	7	7	12	10	12	7	5	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	64	64	64	63	63	53	44	38	30	28	27	26	33	34	35	37	38	44	53	64	67	66	66	65
D <sub>u</sub>	6	5	4	5	4	6	8	9	11	7	6	10	17	27	28	22	18	16	10	10	10	6	7	8
D <sub>l</sub>	5	5	5	5	6	5	8	5	3	2	2	1	4	5	6	7	10	15	10	12	6	4	3	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	51	50	49	48	47	47	45	43	38	37	35	34	39	41	41	45	44	46	48	51	52	53	53	53
D <sub>u</sub>	3	6	5	6	4	5	6	4	6	5	6	5	6	9	11	8	5	10	8	12	8	6	6	4
D <sub>l</sub>	5	5	5	5	4	7	7	6	5	6	5	5	6	7	7	8	8	4	4	4	2	3	3	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	27	27	27	27	27	26	26	26	26	26	25	25	26	27	28	29	28	29	30	30	30	29	29	28
D <sub>u</sub>	3	2	2	2	2	3	2	2	2	1	3	2	3	4	5	6	3	4	3	6	4	4	3	4
D <sub>l</sub>	1	1	1	1	1	1	1	1	2	2	1	2	1	2	2	3	3	3	3	2	3	2	3	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								



# RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8 N Long. 78.2 W Type Recorder ARN-2 Month JULY 1958

		L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
135 kc																									
F <sub>am</sub>	122	121	121	121	124	118	114	111	112	110	112	117	117	121	127	127	124	125	124	124	124	123	124	122	
D <sub>u</sub>	9	9	8	7	8	5	7	10	10	14	13	16	16	20	216	216	216	15	14	11	10	10	8	9	
D <sub>l</sub>	5	5	6	6	5	10	10	7	9	7	7	10	10	14	18	12	11	10	16	16	11	4	5	5	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
500 kc																									
F <sub>am</sub>	87	87	86	87	85	76	73	75	73	74	75	78	78	83	86	92	94	94	97	94	88	85	85	85	
D <sub>u</sub>	9	9	7	3	6	5	8	6	10	8	9	20	28	29	232	226	26	21	14	17	15	14	13	11	
D <sub>l</sub>	9	8	8	11	8	14	11	13	11	12	13	15	16	21	22	17	18	15	21	17	12	6	6	5	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
2.5 Mc																									
F <sub>am</sub>	73	73	72	72	70	50	39	34	32	32	32	34	39	46	56	59	58	60	64	65	69	71	72	73	
D <sub>u</sub>	6	5	6	6	5	8	4	5	6	5	5	20	32	35	32	35	30	21	15	13	9	7	6	6	
D <sub>l</sub>	7	7	6	6	6	8	7	4	4	4	4	5	4	12	20	21	22	20	21	17	10	7	6	7	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
5 Mc																									
F <sub>am</sub>	65	64	64	63	63	54	43	36	31	29	28	28	33	38	43	47	49	52	56	62	64	65	65	65	
D <sub>u</sub>	2	5	5	5	4	7	5	6	6	5	5	17	26	27	30	32	24	15	10	9	7	6	4	4	
D <sub>l</sub>	6	5	6	6	4	7	7	6	4	2	3	3	4	9	12	12	15	12	10	7	6	4	4	4	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
10 Mc																									
F <sub>am</sub>	51	50	49	47	47	46	43	41	37	35	33	34	37	39	42	45	46	49	51	52	52	52	52	51	
D <sub>u</sub>	2	4	3	4	3	4	6	5	4	5	6	6	8	13	16	18	12	5	3	4	5	4	3	3	
D <sub>l</sub>	5	5	6	6	5	5	3	4	4	5	4	4	6	5	8	10	6	6	5	6	3	4	3	3	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
20 Mc																									
F <sub>am</sub>	29	28	28	28	28	27	28	28	27	27	26	26	27	28	29	31	32	33	33	34	31	30	29	29	
D <sub>u</sub>	2	2	2	1	1	2	1	2	2	2	2	2	5	7	12	15	10	5	4	2	3	3	3	3	
D <sub>l</sub>	2	1	1	1	1	1	1	2	1	2	1	1	1	1	2	4	3	4	3	3	2	2	1	2	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
F <sub>am</sub>																									
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
F <sub>am</sub>																									
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									

# RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8 N Long. 78.2 W Type Recorder Modif. Comm. Month AUGUST 19 58

		L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
135 kc																									
F <sub>am</sub>	123	121	121	120	123	119	118	118	114	113	111	114	118	121	124	126	124	125	122	123	123	125	125	126	
D <sub>u</sub>	8	11	11	10	10	9	8	6	8	8	10	9	9	12	14	14	13	11	14	15	13	12	9	6	
D <sub>l</sub>	11	9	9	5	2	8	9	11	6	7	6	6	9	15	18	23	21	23	21	19	11	8	13	14	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
500 kc																									
F <sub>am</sub>	92	92	91	91	91	75	71	70	71	68	67	68	75	80	85	91	90	84	82	84	87	90	91	92	
D <sub>u</sub>	12	11	13	13	9	5	5	7	2	8	8	8	19	22	29	29	25	31	30	27	24	19	15	14	
D <sub>l</sub>	8	5	4	3	8	7	4	5	6	3	3	4	9	13	18	22	23	16	16	18	12	8	7	9	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
2.5 Mc																									
F <sub>am</sub>	74	74	73	73	73	62	48	41	33	32	31	31	33	39	44	51	53	50	53	64	75	77	75	76	
D <sub>u</sub>	6	8	10	9	9	11	8	13	4	4	3	8	24	28	30	22	26	31	24	20	10	7	8	7	
D <sub>l</sub>	6	8	6	5	5	9	7	6	3	2	3	2	3	11	13	22	24	19	14	10	8	10	8	11	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
5 Mc																									
F <sub>am</sub>	62	62	61	61	61	55	45	39	34	32	29	28	30	33	37	43	45	50	54	63	65	64	65	64	
D <sub>u</sub>	3	4	5	6	5	6	8	7	5	2	4	5	9	14	21	19	17	10	4	6	5	6	2	4	
D <sub>l</sub>	3	4	1	1	1	3	8	3	3	2	1	2	5	9	14	13	12	8	7	6	4	6	5		
V <sub>dm</sub>																									
L <sub>dm</sub>																									
10 Mc																									
F <sub>am</sub>	50	49	49	49	49	48	46	44	41	38	36	36	38	41	44	45	47	48	49	51	53	52	53	51	
D <sub>u</sub>	5	4	1	2	3	5	5	6	4	7		3	3	3	5	6	3	4	6	5	7	6	2	4	
D <sub>l</sub>	1	1	2	4	4	2	3	3	4	2		3	5	7	9	8	7	4	2	3	2	1	2	2	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
20 Mc *																									
F <sub>am</sub>	28	29	28	28	29	28	28	29	29	29	28	26	25	27	29	31	31	33	32	31	31	31	29	29	
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
F <sub>am</sub>																									
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									
F <sub>am</sub>																									
D <sub>u</sub>																									
D <sub>l</sub>																									
V <sub>dm</sub>																									
L <sub>dm</sub>																									

# MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia at 38.8 N Long. 78.2 W

Month September 19 58

Hour (LST)	Frequency (Mc)																																				
	135 kc						500 kc						2.5 Mc						5 Mc						10 Mc						20 Mc						
	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>		
00	112	8	5			82	9	5			67	9	7			58	5	4				46	2	5													
01	111	7	3			82	9	4			67	11	6			58	6	3				47	3	5													
02	111	7	5			83	7	7			68	11	7			58	6	3				47	4	6													
03	111	6	4			83	6	8			69	12	6			58	6	3				44	4	6													
04	114	5	5			82	8	6			67	11	6			57	7	4				45	5	6													
05	112	6	4			77	8	6			63	7	3			56	4	4				44	5	6													
06	101	13	6			63	12	4			42	5	4			43	6	2				42	5	4													
07	97	15	6			61	12	3			36	6	3			35	6	2				39	4	3													
08	98	16	4			61	11	2			30	6	3			29	5	2				36	4	3													
09	98	14	5			62	12	3			29	6	3			27	4	2				33	5	3													
10	98	15	5			62	9	3			29	6	4			25	5	0				31	6	2													
11	98	13	4			62	7	2			29	2	6			25	4	2				31	5	2													
12	97	13	5			63	6	2			29	3	4			25	4	2				30	5	2													
13	98	16	6			64	7	3			29	4	3			26	3	2				31	7	2													
14	100	18	7			64	24	3			29	14	5			27	8	3				35	4	4													
15	100	22	6			63	29	2			29	9	3			28	11	3				37	6	3													
16	99	20	5			59	21	2			32	19	4			33	12	4				40	3	3													
17	98	20	5			60	19	4			39	9	6			41	11	2				44	4	3													
18	103	16	5			64	15	6			51	12	6			51	7	4				46	3	3													
19	109	13	5			65	11	10			63	6	7			57	4	4				47	3	3													
20	111	11	4			80	10	8			67	6	7			59	4	4				47	3	3													
21	112	10	4			82	7	6			66	7	8			59	5	4				47	3	4													
22	111	9	4			81	11	4			66	5	9			60	5	6				46	4	4													
23	112	8	4			82	9	4			66	6	6			58	6	4				46	4	4													

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W

Month October 19 58

Hour (ST)	Frequency (Mc)											
	135 kc				500 kc				2.5 Mc			
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	111				84	11	7		61	11	8	
01	110				86	8	8		63	9	11	
02	111				86	8	8		63	8	10	
03	111				84	7	6		63	8	9	
04	112				80	9	6		60	10	8	
05	110				75	13	5		58	9	8	
06	100				59	9	6		44	7	5	
07	94				56	11	3		35	4	6	
08	90				54	13	4		31	6	6	
09	93				56	12	4		30	4	4	
10	93				56	11	4		30	4	3	
11	91				56	14	4		30	4	3	
12	96				57	12	3		30	4	3	
13	96				56	14	4		30	6	4	
14	96				57	12	5		31	8	5	
15	95				58	14	6		31	10	6	
16	94				60	14	6		34	15	4	
17	94				61	16	7		43	18	6	
18	103				72	10	9		54	12	7	
19	107				76	10	7		59	7	10	
20	111				81	11	6		59	9	7	
21	112				82	13	7		60	9	8	
22	111				85	12	9		60	11	7	
23	111				85	11	9		61	10	7	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>g</sub> = ratio of upper decile to median in db

V<sub>dm</sub> = ratio of median to lower decile in db

L<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38. 8 N Long. 78. 2 W

Month November 19 58

Hour (LST)	Frequency (Mc)											
	135 kc				500 kc				2.5 Mc			
	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub> -L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub> -L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub> -L <sub>dm</sub>
00/04					84 10 5	58 10 6			53 8 6	42 5 6		
01/07					85 7 5	58 11 6			53 10 5	41 5 6		
02/06					84 9 5	57 11 5			53 9 6	41 4 5		
03/06					83 9 6	58 10 6			54 7 5	41 5 6		
04/06					77 10 6	56 12 4			52 8 4	39 6 6		
05/04					74 11 9	56 12 6			52 7 5	38 6 6		
06/00					65 16 7	54 10 8			49 8 6	37 8 6		
07/07					58 9 4	42 10 8			43 8 8	39 5 7		
08/05					54 6 3	37 6 6			36 7 5	36 6 6		
09/05					54 7 4	32 6 6			32 7 5	33 5 5		
10/09					54 5 4	31 5 4			30 6 4	31 7 4		
11/07					55 5 4	32 3 7			27 7 2	31 6 4		
12/08					55 5 4	31 4 5			27 6 2	33 4 5		
13/07					55 4 3	31 5 5			29 6 4	34 4 6		
14/07					56 3 5	33 5 7			31 6 5	35 5 6		
15/04					55 3 5	33 8 4			34 9 5	37 5 4		
16/02					60 2 5	37 7 3			42 12 5	40 6 4		
17/02					63 8 6	48 5 5			52 4 7	44 5 6		
18/02					68 14 4	51 8 2			53 4 7	43 5 4		
19/11					75 11 7	54 7 3			54 5 8	43 5 4		
20/08					78 11 6	57 7 3			54 6 8	44 5 4		
21/08					81 9 6	58 6 4			54 6 7	44 5 4		
22/08					83 9 5	58 8 4			54 6 6	43 5 4		
23/03					83 11 5	59 8 6			54 6 6	42 5 4		

F<sub>m</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month December 19 58

Hour (EST)	Frequency (Mc)																														
	135 kc				500 kc				2.5 Mc				5 Mc				10 Mc				20 Mc										
	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>						
00	103	6	6			79	7	7			57	4	6			53	2	5			40	5	3			24	1	2			
01	104	5	6			81	4	7			56	5	4			53	2	6			40	5	3			23	1	1			
02	104	3	7			80	5	6			56	4	5			52	1	5			40	3	4			23	2	1			
03	105	2	8			80	4	7			57	6	6			51	3	4			39	4	3			24	0	2			
04	104	4	8			76	6	7			56	9	7			51	4	5			38	4	3			23	2	1			
05	104	4	8			73	7	9			56	9	9			51	4	5			36	5	3			23	2	1			
06	100	7	6			69	8	9			54	8	9			51	2	6			38	4	5			24	1	1			
07	94	4	3			58	3	3			46	3	4			45	3	3			40	3	4			24	2	1			
08	91	5	3			55	3	4			36	5	3			36	3	3			36	5	3			27	1	3			
09	90	4	4			54	3	3			35	4	5			33	1	4			34	3	3			28	1	2			
10	90	4	4			55	2	4			34	4	3			30	2	3			31	4	2			28	1	1			
11	91	6	6			55	2	4			34	4	3			28	4	2			30	4	2			28	1	3			
12	89	7	4			55	3	4			33	5	4			27	3	1			31	4	5			27	2	2			
13	88	8	3			55	2	4			33	4	5			28	2	2			32	3	6			27	2	1			
14	87	8	5			55	3	3			33	4	3			29	2	3			33	3	4			28	1	3			
15	87	8	2			55	3	3			34	4	3			32	2	3			35	4	4			28	1	2			
16	89	8	4			58	4	4			36	5	3			38	4	2			38	4	3			29	0	3			
17	91	11	5			59	4	4			44	9	2			45	6	2			42	2	3			29	1	2			
18	100	6	9			64	13	8			48	9	4			49	5	5			43	3	4			28	2	1			
19	99	6	9			66	11	6			52	5	7			52	5	5			44	2	6			27	3	2			
20	99	5	5			72	10	5			55	4	6			52	8	3			43	3	5			26	3	2			
21	100	7	3			74	10	6			55	4	4			53	7	3			42	4	5			25	3	1			
22	101	8	5			75	11	7			57	4	6			52	6	2			41	4	4			24	2	1			
23	103	7	6			76	9	9			56	5	5			53	4	4			40	4	3			24	2	2			

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month January 19 59

Time (hr)	Frequency											
	135 kc				500 kc				2.5 Mc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>
00	98	9	4		73	9	7		49	15	3	
01	99	8	6		74	8	8		49	17	3	
02	97	10	4		73	8	8		49	15	3	
03	98	10	5		71	12	7		50	14	5	
04	97	11	4		67	12	6		50	14	4	
05	95	13	3		64	13	6		49	14	5	
06	94	12	4		59	11	5		47	15	3	
07	91	10	3		57	6	4		43	9	4	
08	88	10	3		54	5	4		34	10	3	
09	87	7	4		54	5	4		34	5	4	
10	87	3	3		54	5	4		32	6	3	
11	87	6	4		55	4	6		32	6	4	
12	87	5	3		56	3	7		32	5	3	
13	87	6	5		56	4	6		32	4	2	
14	87	4	4		56	5	5		32	4	2	
15	87	4	4		56	4	4		33	3	3	
16	87	5	3		57	3	5		33	5	2	
17	89	8	3		57	4	5		40	7	3	
18	93	7	5		59	7	5		45	10	4	
19	94	11	5		62	8	5		49	8	4	
20	97	6	4		67	8	6		50	10	5	
21	98	5	4		69	8	6		50	9	4	
22	98	6	5		71	8	7		50	12	4	
23	98	6	4		72	7	6		50	13	4	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2 W

Month February 19 59

Hour (ST)	Frequency																								
	135 kc				500 kc				2.5 Mc				5 Mc				10 Mc				20 Mc				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub> -L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub> -L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub> -L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub> -L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub> -L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub> -L <sub>dm</sub>	
00	101	10	6		76	11	8		57	8	6		53	3	5		40	9	3		24	1	2		
01	99	10	4		76	9	8		56	8	6		51	4	4		39	8	3		24	1	2		
02	100	8	5		74	11	6		56	8	5		50	6	3		39	6	3		24	1	1		
03	99	10	6		72	11	6		55	10	5		49	8	3		39	3	4		24	2	1		
04	98	10	7		69	13	8		53	12	5		49	8	2		38	5	5		24	2	1		
05	97	11	6		64	19	6		51	13	5		49	10	3		37	4	4		25	1	1		
06	96	14	7		62	17	5		49	13	2		49	12	4		35	7	2		25	1	1		
07	94	7	5		58	6	7		41	6	5		45	6	5		37	6	3		25	1	1		
08	92	9	4		54	5	7		35	5	4		36	6	5		35	7	2		28	2	2		
09	92	10	5		55	4	6		32	5	3		33	9	6		33	5	3		29	1	2		
10	91	10	3		54	3	7		32	3	4		31	5	5		32	4	4		29	1	2		
11	92	8	5		55	4	3		32	3	4		30	4	5		30	5	3		28	2	2		
12	93	9	5		55	4	3		32	3	4		30	4	4		31	5	4		28	1	3		
13	93	8	6		55	4	2		31	4	3		31	3	6		31	3	2		27	2	2		
14	94	4	6		55	4	2		30	6	1		32	3	7		32	3	2		28	1	2		
15	94	4	4		56	2	3		32	4	3		33	4	6		35	4	4		29	1	3		
16	90	4	5		60	5	4		33	3	3		37	7	4		40	4	4		30	2	2		
17	90	6	6		60	4	3		36	8	2		43	7	4		43	4	5		30	2	2		
18	92	7	3		62	4	4		48	7	4		49	7	3		45	5	3		30	2	2		
19	97	8	5		64	12	3		50	11	4		52	5	3		45	4	2		29	3	1		
20	101	8	5		70	5	7		54	10	4		53	3	4		44	5	4		26	3	2		
21	100	6	5		71	10	7		54	11	4		53	3	3		44	4	3		25	2	2		
22	101	9	6		74	13	8		56	11	5		54	3	2		43	5	4		24	2	1		
23	102	7	5		77	11	9		56	10	4		54	4	6		41	6	3		24	1	2		

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>g</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# RADIO NOISE DATA

Station IBADAN, NIGERIA Lat. 7.4 N Long. 3.9 E Type Recorder ARN-2 Month MARCH 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
F <sub>am</sub>	139	137	139	138	141	139	135	135	135	*129	129	129	129	135	139	140	145	145	143	144	143	143	141	141
D <sub>u</sub>	8	5	4	7	4	4	6	8	7		11	11	11	4	4	5	4	10	10	9	8	8	10	4
D <sub>L</sub>	4	2	4	3	6	6	8	10	13		10	8	5	4	10	5	6	8	6	3	4	6	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc																								
F <sub>am</sub>	124	124	124	123	124	120	118	118	119	*116	112	114	116	118	124	128	130	132	128	128	128	128	128	126
D <sub>u</sub>	8	6	8	7	8	9	10	7	5		13	9	10	7	9	10	10	12	12	12	10	10	10	6
D <sub>L</sub>	5	4	4	3	6	5	11	11	15		10	12	15	10	5	10	12	13	8	5	6	6	6	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc																								
F <sub>am</sub>	111	111	111	111	111	102	100	99	93	*93	94	95	99	103	110	115	119	119	115	115	113	113	111	113
D <sub>u</sub>	4	6	6	10	10	13	11	12	12		14	14	13	9	11	12	12	19	15	16	14	12	12	7
D <sub>L</sub>	6	8	8	6	8	7	11	13	10		12	17	14	19	9	14	14	16	14	12	6	6	8	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	96	94	96	96	96	86	78	76	*70	*70	72	70	82	86	94	100	105	100	99	97	97	96	94	94
D <sub>u</sub>	4	8	8	10	10	12	19	16			14	18	8	10	14	18	17	22	18	17	16	10	8	7
D <sub>L</sub>	10	8	8	6	8	14	10	14			9	6	15	17	10	20	24	12	7	9	6	6	4	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	75	75	77	79	79	79	67	55	*51	*43	*48	*51	*52	53	61	67	*69	73	79	81	81	81	81	79
D <sub>u</sub>	8	7	6	4	5	4	10	14						10	20	14		26	16	12	7	6	4	4
D <sub>L</sub>	6	3	6	9	9	10	10	6						8	14	16		12	11	2	2	4	8	12
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	60	60	60	62	62	62	56	48	*36	*36	*36	*36	*37	36	40	48	54	58	64	62	62	64	62	60
D <sub>u</sub>	4	4	4	2	4	2	7	6						4	12	19	9	5	6	7	4	2	2	2
D <sub>L</sub>	4	2	6	8	6	6	7	6						2	6	12	17	4	4	2	4	4	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	48	46	48	48	46	44	44	40	36	*30	*32	*30	29	28	36	40	46	48	46	46	46	48	48	48
D <sub>u</sub>	2	4	2	2	4	4	4	4	4				5	8	4	4	10	5	7	9	12	4	5	4
D <sub>L</sub>	4	2	4	4	4	4	4	6	6				5	3	6	4	6	3	3	4	2	4	4	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	30	31	30	30	29	*29	31	28	*24	*24	*23	24	26	28	30	32	34	36	31	29	31	33	33	31
D <sub>u</sub>	9	5	7	6	8		4	7				6	7	8	5	10	14	16	11	7	9	7	4	6
D <sub>L</sub>	4	5	4	4	5		5	2				4	3	4	5	3	4	8	9	4	7	6	8	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								



## RADIO NOISE DATA

Station IBADAN, NIGERIA Lat. 7.4 N Long. 3.9 E Type Recorder ARN-2 Month APRIL 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
Fam	141	139	139	141	139	139	135	132	131	133	133	133	133	135	139	143	143	145	145	147	147	145	145	141
Du	8	11	11	8	9	7	11	13	14	17	12	8	8	8	9	9	12	10	9	7	6	8	8	9
Dℓ	4	4	3	9	6	8	10	11	12	11	12	13	7	7	6	6	7	9	8	9	6	7	5	
Vdm																								
Ldm																								
113 kc																								
Fam	128	126	126	128	126	124	121	116	116	115	116	117	117	120	126	128	130	131	132	132	132	130	130	128
Du	9	10	11	8	9	9	13	16	18	17	14	12	12	10	8	16	13	11	10	10	8	10	11	8
Dℓ	6	6	6	8	7	12	22	10	18	17	17	15	18	10	9	6	10	10	8	9	8	6	6	6
Vdm																								
Ldm																								
246 kc																								
Fam	113	111	112	113	113	106	101	95	97	94	101	99	97	103	107	113	113	115	115	117	115	115	113	113
Du	11	11	11	10	13	17	20	20	19	13	12	16	12	21	22	19	16	14	14	14	14	13	14	10
Dℓ	7	5	7	10	10	14	26	13	15	17	17	20	27	14	10	12	10	12	12	11	8	7	7	8
Vdm																								
Ldm																								
545 kc																								
Fam	93	91	93	93	93	79	73	71	71	73	75	77	79	85	91	90	97	94	96	97	95	93	93	93
Du	9	10	9	11	9	20	24	26	16	15	19	10	10	8	18	25	18	18	18	15	15	16	9	9
Dℓ	8	7	10	12	14	19	18	10	19	16	16	20	25	18	12	10	18	10	9	7	6	6	6	6
Vdm																								
Ldm																								
2.5 Mc																								
Fam	71	69	67	69	67	67	55	45	40	35	40	41	48	43	51	55	59	61	69	73	73	73	71	71
Du	4	4	8	8	8	6	6	16	18		13	12		12	9	19	20	20	8	8	6	6	6	6
Dℓ	8	5	4	6	5	11	8	10	8		7	10		8	15	12	16	10	4	6	4	4	4	6
Vdm																								
Ldm																								
5 Mc																								
Fam	61	61	61	61	61	60	51	45	39	35	37	37	40	37	41	47	53	59	63	65	63	65	63	6
Du	4	4	4	6	5	5	8	10	8	10	7	6		7	7	20	16	10	8	4	4	4	4	6
Dℓ	2	2	3	3	4	6	8	8	8	8	8	7		6	6	6	6	4	2	6	4	4	4	2
Vdm																								
Ldm																								
10 Mc																								
Fam	45	45	47	47	46	43	43	39	36	33	31	31	31	35	39	41	45	49	47	45	45	45	45	45
Du	2	2	2	3	5	7	4	6	5	8	7	8	6	8	4	12	11	4	8	6	6	6	6	4
Dℓ	3	4	4	4	4	2	6	8	9	6	3	4	2	6	4	2	2	2	4	4	4	4	4	4
Vdm																								
Ldm																								
20 Mc																								
Fam	27	29	29	29	29	29	27	23	23	23	23	23	25	27	29	31	33	31	27	28	27	27	27	27
Du	6	4	4	4	4	2	2	2	6	2	2	4	4	6	11	13	15	10	17	13	10	10	6	6
Dℓ	4	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	4	4	2	2
Vdm																								
Ldm																								

## RADIO NOISE DATA

Station IBADAN, NIGERIA Lat. 7.4 N Long. 3.9 E Type Recorder ARN-2 Month MAY 19 58

[illegible]

# RADIO NOISE DATA

Station IBADAN, NIGERIA Lat. 7.4 N Long. 3.9 E Type Recorder ARN-2 Month JUNE 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
F <sub>am</sub>	139	139	139	139	137	135	130	131	127	*125	121	127	127	131	133	135	139	137	139	141	140	139	141	139
D <sub>u</sub>	6	5	4	3	6	6	10	8	14		20	11	14	11	9	6	8	10	6	4	5	6	4	6
D <sub>l</sub>	4	8	7	8	6	8	8	10	12		6	10	7	6	4	6	10	6	8	3	3	4	6	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc																								
F <sub>am</sub>	127	127	127	125	125	119	118	117	113	*114	*112	115	117	120	119	123	125	123	127	127	127	127	127	127
D <sub>u</sub>	6	4	2	6	6	9	9	10	14			14	12	11	18	12	13	12	5	6	6	6	4	6
D <sub>l</sub>	7	5	6	4	9	14	24	21	14			28	20	17	14	14	14	8	9	6	2	4	4	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc																								
F <sub>am</sub>	113	111	111	111	109	105	*101	97	*89	*87	*87	81	92	88	99	105	105	105	108	109	111	111	113	111
D <sub>u</sub>	6	6	6	4	6	6		15				32	24	31	14	19	22	14	7	8	4	6	4	6
D <sub>l</sub>	11	4	8	10	9	20		26				14	21	12	20	21	20	17	10	4	4	4	8	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	94	94	94	92	92	*88	78	*78	*80	*66	*66	58	*58	88	86	92	86	89	94	94	96	94	94	94
D <sub>u</sub>	8	7	9	11	10		16					38		19	19	21	28	11	10	6	2	6	6	6
D <sub>l</sub>	9	10	9	10	11		24					4		32	29	31	27	12	10	6	4	4	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	*73	72	71	69	*69		*63	*61	*44	*47	*51	*57	*43	55	*43	*51	53	60	69	75	73	75	75	75
D <sub>u</sub>		2	4	6										36			38	30	8	9	16	8	2	1
D <sub>l</sub>		5	7	6										22			20	9	6	4	1	4	4	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	62	62	60	60	*66	*64	*49	*49	*38	*34	*37	*38	*38	36	38	46	52	58	64	66	66	66	64	62
D <sub>u</sub>	3	2	4	4										26	25	21	18	5	4	4	2	1	2	2
D <sub>l</sub>	4	5	5	7										8	8	13	8	5	2	4	5	3	4	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	43	43	43	45	*53	*41	43	39	*37	*34	*29	*35	*34	33	41	44	49	51	51	47	47	47	49	45
D <sub>u</sub>	10	10	11	7			12	12						11	4	5	4	2	4	5	8	7	8	8
D <sub>l</sub>	6	8	8	8			6	8						6	11	5	6	2	4	2	4	5	8	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc *																								
F <sub>am</sub>	26	26	26	26	26	28	30	26	22	24	24	24	28	29	30	32	32	28	26	26	26	26	26	26
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								



# MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4 N Long. 3.9 E

Month July 19 58

Hour (EST)	Frequency (Mc)										*20																																			
	.051					.113					.246					.545					2.5					5					10					*20										
	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>						
00	135	6	4			123	6	4			109	6	2			94	5	7				67	6	2			58	4	2			41	4	7												
01	135	6	4			125	4	6			109	8	6			92	7	6				67	6	3			58	4	5			39	6	4												
02	135	4	4			123	6	8			108	7	7			91	8	8				65	6	4			56	6	6			39	6	5												
03	133	6	2			120	5	5			107	8	8			89	8	10				66	7	5			58	3	6			41	5	9												
04	131	6	2			119	6	4			103	10	6			86	11	11				63	6	6			56	4	3			39	9	2												
05	129	6	4			109	8	6			81	6	8			71	18	6				61	10	4			56	4	6			41	5	4												
06	121	12	4			101	14	16			75	16	16			57	10	2				49	19	12			46	8	4			37	9	5												
07	119	10	8			101	13	22			74	14	15			57	10	6				37	28	4			46	11	4			29	12	6												
08	117	10	10			97	17	19			73	14	12			57	10	2				39	34	6			34	4	10			25	12	4												
09	118	7	14			102	12	22			73	14	10			57	11	4				37					34					35														
10	121	10	10			101	14	16			71	16	10			57	13	4				37					32					24														
11	123	4	8			101	11	12			73	12	8			58	9	7				37					30					28														
12	126	3	4			107	5	10			79	7	13			57	6	4				35					34					27														
13	127	5	6			107	8	12			79	12	10			57	14	4				33					30					28														
14	129	4	6			109	7	10			81	10	10			57	3	7				35					28					33	4	6												
15	129	4	4			111	6	9			83	11	10			57	11	2				33	40	2			40	18	8			39	16	4												
16	129	4	4			113	6	7			83	15	5			59	15	4				39					48	8	8			45	4	6												
17	129	6	4			111	8	4			87	12	8			69	10	8				46	18	3			54	4	8			47	2	2												
18	131	6	6			119	4	8			91	6	6			89	4	10				61	13	6			62	4	4			47	2	2												
19	135	4	4			123	4	4			107	2	6			93	2	8				69	2	3			64	4	4			45	4	4												
20	136	3	3			123	2	4			107	2	4			93	4	6				69	6	4			64	3	6			45	4	4												
21	135	4	2			123	4	4			109	4	6			93	4	4				71	7	6			62	3	3			45	9	7												
22	137	4	4			125	4	4			109	6	6			93	4	4				71	2	6			62	2	4			43	7	5												
23	137	2	4			125	2	6			109	6	4			93	6	4				69	3	5			60	4	2			41	6	5												

\*No data for 20 Mc

F<sub>m</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

Hour (LST)	Frequency (Mc)											
	.051				.113				.246			
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	136 4 4	4			121 4 5	8			108 5 8	5		
01	134 5 4	4			121 5 7	9			106 8 6	6		
02	134 5 7	7			121 5 6	8			106 6 7	7		
03	134 4 6	6			119 6 6	13			104 6 8	8		
04	132 6 7	7			118 8 6	9			102 8 8	8		
05	132 6 10	10			113 7 12	4			84 14 12	12		
06	124 7 5	5			103 8 8	8			76 10 11	11		
07	123 6 15	15			101 8 13	8			74 10 16	16		
08	122 5 7	7			99 12 16	5			72 14 9	9		
09	122 6 10	10			99 12 10	5			72 12 6	6		
10	124 4 10	10			105 6 14	6			74 10 8	8		
11	124 5 3	3			105 7 10	6			76 16 10	10		
12	127 5 4	4			107 8 6	6			80 15 8	8		
13	130 5 4	4			111 7 10	8			83 14 6	6		
14	132 4 4	4			113 5 7	7			88 12 8	8		
15	134 4 5	5			115 6 7	10			92 6 10	10		
16	132 6 2	2			117 6 8	11			93 10 11	11		
17	134 4 4	4			117 6 8	14			94 7 9	9		
18	133 5 5	5			117 7 4	10			102 4 6	6		
19	136 2 4	4			123 2 6	6			104 5 5	5		
20	136 2 3	3			121 4 3	7			106 4 7	7		
21	136 4 5	5			121 4 4	5			106 4 6	6		
22	136 4 4	4			121 5 4	6			106 6 5	5		
23	136 4 4	4			121 6 4	7			108 3 8	8		

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>g</sub> = ratio of upper decile to median in db  
V<sub>dm</sub> = ratio of median to lower decile in db  
L<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4 N Long. 3.9 E

Month September 19 58

Hour (LST)	Frequency (Mc)											
	.051				.113				.246			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>
00	138	2	4		125	6	4		107	10	2	
01	138	6	6		125	3	6		109	4	6	
02	138	2	6		123	4	6		107	7	6	
03	136	5	4		123	4	8		107	4	8	
04	136	4	4		123	4	10		105	6	8	
05	134	6	6		115	8	12		91	8	10	
06	128	4	8		109	7	15		79	8	14	
07	126	7	6		103	13	12		80	8	17	
08	124	7	7		105	14	13		79	9	11	
09	126	7	4		104	14	9		75	24	8	
10	126	6	6		105	12	10		77	21	10	
11	130	4	7		110	10	12		88	8	17	
12	134	4	8		117	6	12		91	18	15	
13	136	5	6		119	13	8		97	20	8	
14	138	9	4		123	9	7		103	13	9	
15	140	6	4		125	10	7		105	16	8	
16	140	5	4		124	7	6		105	14	11	
17	140	6	4		125	8	8		107	10	16	
18	142	4	6		126	6	5		109	7	6	
19	142	3	4		127	6	4		111	6	6	
20	140	4	2		127	5	4		109	9	4	
21	140	4	6		125	8	4		107	12	4	
22	140	6	6		125	8	4		109	9	4	
23	138	8	2		125	7	4		109	12	6	

F<sub>am</sub> = median value of effective antenna noise in db above kTb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4 N Long. 3.9 E

Month October 19 58

Hour (LST)	Frequency (Mc)																																																
	.051						.113						.246						.545						2.5						5						10						20						
	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>				
00	138	8	4			123	10	4			108	12	4			89	20	4				70	6	6			62	2	2			47	2	4			34	6	4										
01	136	10	4			123	10	4			108	12	4			89	12	6				68	12	4			62	4	4			45	4	2			34	6	4										
02	138	2	6			123	6	8			106	8	6			87	10	8				68	12	4			60	4	2			45	6	2			32	4	2										
03	136	4	6			119	6	8			104	4	6			87	10	8				66	12	6			58	4	2			45	4	4			28	8	2										
04	134	8	6			117	10	6			102	10	8			84	12	11				66	17	6			58	2	4			43	4	4			28	6	2										
05	132	6	6			111	14	8			89	16	13			62	23	9				59	11	7			55	5	7			40	5	3			28	6	2										
06	127	5	5			98	17	15			73	12	7			59	29	8				46	20	6			46	10	8			35	6	2			30	9	4										
07	120	12	4			93	22	12			73	26	7			59	19	8				44	40	8			44	8	10			31	14	8			28	12	4										
08	117	14	5			87	12	10			72	28	6			57	20	6				52	38	16			33	17	7			27	6	4			27	11	5										
09	118	14	6			93	20	12			74	18	10			57	18	4				44	44	10			34	14	10			27	10	6			28	8	8										
10	122	6	8			93	20	6			74	20	10			59	22	8				44	38	10			32	14	6			27	4	6			28	6	8										
11	126	6	8			105	8	16			80	17	12			65	18	10				58	30	24			36	16	10			31	11	4			30	6	6										
12	128	6	6			109	12	14			94	14	21			73	14	12				59	25	19			48	8	12			32	7	7			30	10	4										
13	134	2	8			120	7	16			102	21	21			87	18	20				59	29	19			38	10	12			37	4	10			36	4	6										
14	138	10	8			124	11	9			109	13	13			89	18	19				64	20	24			44	18	8			41	10	4			34	8	0										
15	142	6	6			127	6	7			110	12	8			92	18	16				68	20	26			52	4	14			45	2	4			36	5	6										
16	142	7	5			127	13	6			110	18	8			91	23	18				70	16	24			55	10	6			47	2	4			34	12	2										
17	142	11	5			127	12	6			112	12	10			93	25	10				70	19	13			62	9	5			49	6	2			31	17	5										
18	145	11	7			129	14	6			112	10	8			94	15	7				72	12	4			64	10	4			46	5	5			28	9	4										
19	142	6	2			127	8	4			110	12	6			91	8	4				72	10	2			64	6	4			45	4	4			28	6	2										
20	140	8	2			127	8	4			112	10	8			93	4	6				72	10	2			64	2	4			47	4	4			32	2	4										
21	140	10	4			125	12	4			108	12	4			93	8	8				72	12	2			64	4	2			47	8	4			30	6	2										
22	140	8	4			125	8	4			110	10	4			89	12	4				72	14	6			64	2	4			47	4	4			30	6	2										
23	140	8	4			123	12	4			110	12	8			89	14	6				70	8	6			62	2	4			47	2	4			30	4	2										

F<sub>m</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4 N Long. 3.9 E

Month November 19 58

Hour (LST)	Frequency (Mc)											
	.051				.113				.246			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>
00	136 8 7				121 10 7				107 7 11			
01	137 4 6				122 4 7				107 6 10			
02	134 6 6				119 7 6				106 5 8			
03	134 4 6				119 4 6				103 7 5			
04	132 6 2				117 8 4				101 8 6			
05	133 5 7				113 8 6				90 11 5			
06	128 8 8				107 14 10				81 14 14			
07	124 12 8				106 16 11				80 22 13			
08	125 11 11				106 16 13				81 24 12			
09	126 10 8				109 20 16				79 32 12			
10	124 11 7				104 23 9				79 34 14			
11	128 12 9				111 18 14				89 18 20			
12	126 16 3				110 18 11				91 19 17			
13	134 8 8				121 8 18				101 14 18			
14	138 10 6				125 10 10				109 8 18			
15	144 6 8				129 9 10				116 9 17			
16	145 9 7				131 10 9				117 10 14			
17	146 6 8				133 8 10				117 10 12			
18	148 4 12				135 4 12				117 10 14			
19	143 11 7				129 12 8				120 7 17			
20	142 8 8				126 9 7				111 10 10			
21	140 10 8				127 8 10				111 20 14			
22	139 10 7				126 9 11				111 8 14			
23	138 8 8				125 8 8				109 8 10			

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month December 19 58

Hour (IST)	Frequency (Mc)											
	.051				.113				.246			
	F <sub>am</sub>	D <sub>L</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>L</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>L</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	131 10 4	127 8 10	98 14 10		84 12 16	60 9 19	55 8 14		39 8 10	27 10 3		
01	131 9 4	127 12 7	102 12 14		86 14 12	60 8 12	55 8 12		42 2 12	27 10 4		
02	133 7 7	127 10 7	100 12 10		84 14 10	60 9 16	55 7 14		39 7 10	27 11 2		
03	131 12 4	127 10 8	98 12 10		84 14 16	60 9 15	55 6 12		42 6 10	29 8 5		
04	131 9 5	127 10 7	100 12 16		84 6 16	61 14 16	57 5 14		42 9 10	27 7 4		
05	131 8 7	125 10 8	94 14 10		76 20 14	56 11 15	57 6 14		39 8 11	27 14 4		
06	127 12 8	121 14 12	84 15 21		69 19 17	57 18 14	52 7 13		37 7 9	29 6 4		
07	126 14 16	122 15 17	88 16 21		66 18 12	56 16 18	46 14 16		33 8 11	28 12 3		
08	126 15 17	123 10 19	87 16 20		64 15 12	40 21 14	40 12 13		29 23 9	29 2 6		
09	120 15 9	117 16 14	80 17 18		57 19 13	42 23 16	33 6 10		29 14 12	29 12 6		
10	123 11 9	117 6 14	78 16 12		62 8 10	42	35		27	27		
11	129 14 15	115 14 12	76 26 10		64 22 14	42	36		35	32		
12	125 14 8	117 14 13	86 18 18		63 18 14	54 46 18	48 15 19		46 14 22	29 23 6		
13	129 6 8	116 15 10	82 25 12		64 28 7	45 38 10	35 23 8		29 6 6	31 9 7		
14	133 10 12	125 10 15	95 15 23		74 20 20	50 16 17	37 19 6		39 9 11	30 8 5		
15	133 8 12	128 11 17	98 10 24		78 22 24	54 12 19	45 16 11		37 11 6	31 8 4		
16	133 6 12	133 10 23	102 10 26		84 12 30	49 22 6	55 10 10		43 7 5	31 2 4		
17	135 4 14	131 8 17	104 8 16		88 12 8	62 11 7	57 8 6		45 9 2	29 3 4		
18	135 8 12	133 10 11	105 7 13		88 8 8	64 6 9	61 7 6		45 7 4	27 6 5		
19	134 8 7	131 8 11	104 8 12		88 8 10	67 4 10	59 8 9		43 1 12	27 11 6		
20	133 5 7	130 11 8	101 11 11		87 9 9	65 9 19	62 6 8		45 9 11	29 4 6		
21	133 6 6	129 6 11	100 8 12		86 10 15	72 8 17	59 6 15		44 11 12	29 11 6		
22	131 9 6	128 7 7	98 12 8		87 9 11	65 21 20	55 9 6		42 5 10	29 11 6		
23	131 9 4	127 12 8	98 12 6		84 12 8	62 11 17	58 6 12		43 4 11	29 8 6		

F<sub>am</sub> = median value of effective antenna noise in db above k1b

D<sub>L</sub> = ratio of upper decile to median in db

D<sub>L</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\*Due to operational difficulties, calibrations were made infrequently and gain changes may have occurred between calibration points.



# MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4 N Long. 3.9 E

\*\* January 19 59

Hour (EST)			Frequency (Mc)																																															
			.051						.113						.246						.545						2.5						5						10						20					
			F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>													
00	141					129					105					96					63						53					41				33														
01	139					127					105					96					61						50					42				33														
02	139					124					103					96					61						54					42				33														
03	135					122					101					94					63						52					40				31														
04	137					122					101					92					57						51					41				27														
05	137					120					98					90					59						60					40				27														
06	133					122					96					80					53						56					38				32														
07	137					120					98					81					49						52					35				35														
08	137					122					95					82					54						36					30				34														
09	136					125					91					74											34					30				29														
10	127					112					96					78					39						30					28				28														
11	123					106					83					64					45						34					26				33														
12	127					108					86					71																22				31														
13	127					116					85					76					47						47					30				31														
14	133					114					87					74					39						30					33				21														
15	131					114					86					72					40						42					36				33														
16	136					122					86					66					51						54					40				36														
17	137					122					98					88					61						60					46				37														
18	143					127					104					95					65						62					47				31														
19	141					126					107					92					67						60					46				33														
20	139					126					104					94					59						58					42				31														
21	141					124					103					92					57						58					44				37														
22	142					128					105					92					59						52					42				35														
23	138					126					104					90					63						54					44				33														

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\* Due to operational difficulties, calibrations were made infrequently and gain changes may have occurred between calibration points.

# RADIO NOISE DATA

Station KEKAHA (KAUAI), T.H. Lat. 22.0N Long. 159.7W Type Recorder ARN-2 Month APRIL 1958

	I S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
F <sub>am</sub>	155	155	155	155	155	155	155	153	152	151	151	151	150	149	147	147	147	147	147	147	149	151	153	153
D <sub>u</sub>	0	2	2	2	2	2	2	2	3	4	2	2	3	2	4	4	4	2	2	2	2	2	2	2
D <sub>l</sub>	2	2	2	2	2	2	2	2	2	2	2	4	3	2	2	2	4	4	4	2	4	2	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	51 kc																							
F <sub>am</sub>	126	128	130	130	130	130	124	118	102	105	106	106	108	106	108	106	104	100	100	110	114	116	120	124
D <sub>u</sub>	4	4	2	2	4	2	8	5	10	9	6	7	6	8	3	4	4	4	4	4	4	6	4	2
D <sub>l</sub>	2	4	2	2	2	2	4	4	5	4	6	8	4	8	6	6	4	4	4	4	4	4	4	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	160 kc																							
F <sub>am</sub>	99	100	101	103	102	101	89	69	69	71	72	71	67	62	63	63	61	63	71	83	87	91	94	97
D <sub>u</sub>	4	5	4	4	5	6	8	8	12	10	10	6	5	9	10	8	8	6	4	4	8	4	5	4
D <sub>l</sub>	6	7	4	6	5	4	4	6	8	8	13	11	10	5	6	6	4	6	6	6	4	8	7	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc																							
F <sub>am</sub>	75	77	77	77	75	75	61	57	57	57	57	57	57	55	57	57	57	57	61	69	71	73	73	75
D <sub>u</sub>	10	6	4	4	10	6	8	4	4	4	4	4	6	8	6	8	4	6	4	8	6	4	6	4
D <sub>l</sub>	6	6	8	6	5	6	4	2	4	4	4	4	6	2	4	4	4	2	6	8	4	4	2	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc																							
F <sub>am</sub>	49	51	51	51	52	51	49	41	37	37	37	35	35	35	35	35	35	35	37	41	45	47	49	49
D <sub>u</sub>	6	5	7	4	7	4	8	3	4	4	4	6	6	4	4	8	8	7	5	5	6	9	7	4
D <sub>l</sub>	2	4	5	6	5	4	4	5	8	4	4	2	4	4	4	3	2	3	6	5	4	5	7	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	54	56	59	62	52	50	48	40	34	24	27	*26	24	26	25	26	30	36	44	48	48	50	52	53
D <sub>u</sub>	6	9	10	4	10	2	4	2	2	10	3		6	8	5	6	4	4	3	4	3	1	4	6
D <sub>l</sub>	6	8	7	8	9	6	7	5	2	4	5		2	4	3	4	4	5	10	6	7	8	8	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>	41	42	41	39	39	40	41	37	27	15	19	*21	*17	17	19	21	25	35	39	39	41	42	43	42
D <sub>u</sub>	4	3	2	4	4	3	2	2	8	10	6			8	4	4	8	5	3	4	2	2	0	3
D <sub>l</sub>	4	5	5	5	4	6	5	6	4	2	4			4	5	4	4	7	5	3	6	5	8	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	33	31	28	29	27	25	27	23	21	19	15	15	15	17	19	21	23	25	25	27	28	28	31	
D <sub>u</sub>	12	14	15	10	15	14	0	4	5	2	6	2	12	7	2	3	2	2	3	4	4	7	14	16
D <sub>l</sub>	8	6	3	4	2	0	2	0	2	2	0	2	2	3	3	4	3	3	2	2	3	3	3	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station KEKAHA (KAUAI) T.H. Lat. 22.0N Long. 159.7W Type Recorder ARN-2 Month MAY 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
13 kc																								
F <sub>am</sub>	153	153	153	153	153	153	153	151	151	149	149	149	149	149	149	147	149	147	147	149	149	157	153	153
D <sub>u</sub>	2	2	2	3	3	3	2	3	3	4	4	4	2	2	2	4	2	4	4	2	2	2	2	3
D <sub>l</sub>	2	1	2	2	4	2	4	2	2	1	2	2	2	4	2	2	4	3	2	4	2	2	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
51 kc																								
F <sub>am</sub>	126	126	126	128	128	128	118	112	104	104	106	108	108	106	106	104	103	102	102	112	116	118	120	122
D <sub>u</sub>	2	4	6	4	4	4	6	6	8	8	6	6	6	6	12	4	8	6	6	2	5	6	4	4
D <sub>l</sub>	5	3	3	4	4	4	4	4	4	4	6	4	4	2	4	4	5	6	5	6	3	2	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
160 kc																								
F <sub>am</sub>	96	96	98	98	98	94	76	62	62	65	62	64	62	62	62	60	60	60	66	82	90	90	92	94
D <sub>u</sub>	6	8	8	6	7	8	4	12	12	20	14	14	20	6	18	10	10	12	9	4	4	8	6	8
D <sub>l</sub>	6	7	8	7	6	6	7	4	4	6	4	6	6	6	6	4	4	4	8	6	7	4	4	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	72	72	72	72	70	68	58	56	56	56	54	54	52	53	52	54	54	54	56	66	68	70	72	70
D <sub>u</sub>	8	10	9	11	8	6	6	2	2	2	4	2	4	3	4	2	2	4	3	6	10	4	9	12
D <sub>l</sub>	5	6	5	6	4	4	5	4	4	4	2	4	2	3	2	2	2	2	2	5	6	5	6	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	50	51	50	50	50	50	46	39	36	34	34	37	32	32	32	34	34	34	33	40	44	46	48	50
D <sub>u</sub>	6	8	10	6	7	5	6	8	2	4	6	11	4	4	4	2	2	2	4	12	8	5	4	3
D <sub>l</sub>	5	4	5	5	5	5	5	3	4	2	2	6	2	2	2	4	2	4	3	4	4	3	4	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	57	60	62	60	51	49	45	41	33	23	25	23	23	23	24	25	29	35	43	47	51	50	51	53
D <sub>u</sub>	6	5	5	5	14	4	3	3	4	8	8	6	6	6	5	5	4	4	3	4	2	3	3	5
D <sub>l</sub>	5	7	8	6	6	4	3	4	7	5	4	2	3	4	3	4	4	4	4	2	6	3	7	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	41	42	41	40	39	39	39	31	23	16	17	15	13	15	15	17	23	33	39	41	41	41	43	41
D <sub>u</sub>	4	2	2	2	2	4	4	5	5	8	8	6	7	4	6	7	8	4	4	4	3	3	2	4
D <sub>l</sub>	3	1	4	3	2	3	4	2	2	3	6	4	2	4	4	5	4	4	2	4	3	3	5	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	27	27	25	25	25	25	25	23	21	20	17	17	17	19	21	23	23	25	27	25	27	25	27	27
D <sub>u</sub>	11	11	9	8	7	3	4	3	3	4	4	5	4	4	2	2	2	4	2	3	2	5	4	6
D <sub>l</sub>	2	2	2	1	2	1	2	1	2	1	0	2	2	2	3	2	0	2	2	2	2	1	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								



## RADIO NOISE DATA

Station KEKAHA (KAUAI), T.H. Lat. 22 N Long. 159.7 W Type Recorder ARN-2 Month JUNE 1958

Long Type Record																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
13 Kc																								
Fam	154	154	154	154	154	154	152	150	150	150	150	150	150	150	150	148	148	148	146	148	148	150	150	152
Du	0	2	2	2	2	0	2	2	2	2	2	2	2	2	2	0	2	2	2	4	0	2	2	2
Dl	2	2	2	2	4	4	2	2	2	2	2	2	2	2	2	2	2	4	0	4	2	2	2	2
Vdm																								
Ldm																								
51 kc																								
Fam	126	126	128	128	128	126	120	114	108	106	108	110	112	110	109	108	106	104	104	110	118	120	122	124
Du	2	2	4	2	2	2	4	2	4	4	5	6	3	4	5	4	6	8	4	3	3	4	2	2
Dl	2	4	4	4	4	2	4	4	5	2	2	4	4	2	3	4	6	4	2	4	6	4	4	5
Vdm																								
Ldm																								
160 kc																								
Fam	97	97	97	98	100	98	76	59	59	61	61	61	60	61	59	58	59	57	65	83	89	93	93	95
Du	4	4	6	5	5	7	5	8	9	16	14	10	8	8	6	5	4	6	6	5	6	6	7	4
Dl	2	4	4	5	7	9	7	2	4	4	6	4	3	4	2	3	4	2	4	4	2	4	6	4
Vdm																								
Ldm																								
545 kc																								
Fam	68	72	72	72	70	68	56	56	54	54	54	52	52	50	52	52	52	52	54	64	68	70	68	68
Du	10	2	6	4	10	8	4	2	2	2	2	3	3	4	2	2	4	4	4	6	8	7	4	8
Dl	4	10	8	8	4	8	4	6	5	2	2	4	3	2	4	3	4	2	2	6	8	4	4	6
Vdm																								
Ldm																								
2.5 Mc																								
Fam	52	52	52	52	52	52	48	38	36	36	36	34	34	34	34	34	32	34	34	38	42	50	52	52
Du	6	6	4	4	4	6	6	8	2	4	5	6	2	6	9	8	6	9	6	5	6	3	4	4
Dl	4	4	4	4	4	6	4	2	4	5	4	2	4	6	4	2	4	4	6	5	8	6	4	2
Vdm																								
Ldm																								
5 Mc																								
Fam	56	58	58	58	50	50	44	40	30	24	24	24	22	22	24	24	28	34	40	48	50	50	50	52
Du	2	6	9	8	15	2	4	2	4	5	6	8	4	4	2	4	2	4	4	2	1	2	3	2
Dl	4	6	6	5	3	4	2	10	4	2	2	4	2	2	4	4	6	9	5	3	4	3	2	3
Vdm																								
Ldm																								
10 Mc																								
Fam	44	42	42	40	40	38	38	32	24	18	18	16	16	16	16	18	22	34	40	44	42	42	42	42
Du	1	2	2	2	2	4	2	2	4	4	4	6	4	4	4	6	6	2	2	2	3	4	4	2
Dl	4	2	2	2	2	2	1	3	3	4	4	4	4	2	4	4	8	5	4	4	2	2	2	6
Vdm																								
Ldm																								
20 Mc																								
Fam	29	31	27	25	25	25	25	23	23	21	21	19	19	21	23	25	27	27	25	25	27	27	27	27
Du	6	6	6	8	6	7	7	10	7	4	4	2	4	4	2	0	4	3	2	2	4	5	6	12
Dl	4	6	4	2	2	2	2	1	2	2	3	2	0	2	4	2	4	4	3	3	2	4	3	4
Vdm																								
Ldm																								

## RADIO NOISE DATA

Station KEKAHA, (KAUAI) T.H. Lat. 22 N Long. 159.7 W Type Recorder ARN-2 Month JULY 1958

	L S T																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
	13 ke																									
Fam	156	156	156	156	156	155	156	152	150	150	150	152	152	152	152	152	150	150	150	150	152	152	154			
Du	0	2	2	4	4	3	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2		
Dr	2	2	2	2	2	3	2	2	4	2	4	2	2	2	0	0	2	2	1	1	2	2	2	2		
Vdm	90	95	100	110	125	125	120	120	110	100	85	85	80	80	80	90	100	100	95	80	70	70	70	70		
Ldm	140	155	155	190	185	205	220	195	180	160	150	140	130	130	130	150	150	170	150	135	115	130	105	120		
	51 ke																									
Fam	126	128	128	128	129	130	122	116	108	108	111	112	114	112	112	112	108	106	107	112	120	122	124	124		
Du	2	3	2	4	4	6	4	4	4	4	5	2	4	2	4	4	3	2	3	4	4	4	4	2		
Dr	4	4	4	5	4	4	4	3	4	6	7	5	5	5	4	4	8	8	7	3	2	4	4	5		
Vdm	110	100	120	120	130	125	135	120	100	90	90	95	80	80	75	70	100	100	75	75	70	85	90	100		
Ldm	170	165	175	210	210	215	210	220	160	155	140	150	135	155	145	150	160	140	145	120	125	130	145	150		
	160 ke																									
Fam	98	98	98	98	100	98	80	60	60	62	62	60	61	60	60	58	58	58	66	86	92	96	96	97		
Du	5	6	6	5	8	8	9	4	4	6	6	4	5	4	4	2	4	3	3	7	5	6	5	5		
Dr	8	8	8	8	6	7	9	12	9	11	13	12	9	11	11	7	6	5	11	4	6	4	7	6		
Vdm	95	115	115	140		120		70								110	50	50	50	55		75	90	80	85	
Ldm	120	175	185	210		190		90								165	100	105	70	75		120	165	145	125	
	545 ke																									
Fam	72	70	72	72	72	68	54	54	54	56	54	54	54	54	52	54	52	56	56	64	65	70	70	70		
Du	8	4	9	8	7	6	2	2	4	3	2	4	4	6	2	2	1	2	4	4	4	6	4	6		
Dr	11	10	12	9	8	11	4	4	4	2	4	6	4	2	4	2	4	2	5	10	9	5	7	9		
Vdm	115	125		125		110		35		45	30	30	45	30	30	35		40	35	45	105		85	135		
Ldm	165	190		225		180		70		60	50	55	75	90	40	55		70	60	95	210		120	180		
	2.5 Mc																									
Fam	53	53	53	53	51	53	49	37	35	33	33	33	33	33	33	33	32	33	35	39	47	51	51	53		
Du	4	4	6	4	2	4	4	2	4	2	3	3	3	2	4	3	3	3	4	3	4	5	4	4		
Dr	6	8	6	6	6	5	4	6	2	4	2	5	4	6	6	6	6	9	11	7	4	3	5	4		
Vdm																										
Ldm																										
	5 Mc																									
Fam	54	56	58	60	52	52	48	40	34	26	28	27	26	26	26	28	32	36	42	50	52	52	52	52		
Du	2	3	2	5	4	4	3	6	4	5	5	3	3	4	4	4	4	4	5	2	3	4	2	2		
Dr	6	7	8	5	13	1	3	4	5	5	4	6	8	4	4	4	2	4	4	2	2	2	2	3		
Vdm																										
Ldm																										
	10 Mc																									
Fam	43	43	41	39	39	39	39	33	27	19	18	17	19	19	19	21	25	35	41	43	43	43	43	43		
Du	2	4	2	2	3	2	2	3	4	4	4	4	4	4	4	8	6	7	3	2	2	5	2	3		
Dr	4	2	4	5	3	8	10	11	10	6	8	12	2	2	4	4	3	5	2	2	2	2	2	4		
Vdm																										
Ldm																										
	20 Mc																									
Fam	29	27	27	25	25	25	25	23	23	21	21	21	19	21	21	23	25	27	27	27	27	27	27	29		
Du	4	2	4	2	2	2	2	0	4	2	2	4	2	4	4	2	3	4	2	2	3	2	4	4		
Dr	19	14	8	5	2	2	3	3	1	6	2	2	4	2	2	2	5	4	6	7	8	9	8	10		
Vdm																										
Ldm																										

## RADIO NOISE DATA

Station KEKAHA (KAUAI), T.H. Lat. 22 N Long. 159.7 W Type Recorder ARN-2 Month AUGUST 19 58

L S T																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
13 kc																									
Fam	154	154	154	154	154	156	156	154	152	150	152	152	152	152	150	150	150	150	150	150	152	152	154		
Du	4	4	4	4	6	3	4	4	4	5	3	4	2	2	2	4	4	4	3	4	4	3	4	2	
Dl	2	2	1	3	2	5	4	4	4	2	2	4	2	2	4	2	4	4	6	4	2	4	2	4	
Vdm	85	90	10.5	11.0	12.0	12.0	13.0	12.0	11.0	11.0	9.0	9.0	8.5	8.0	8.5	8.0	10.5	10.5	10.0	9.0	8.5	9.0	9.5	8.5	
Ldm	14.5	15.0	16.5	17.5	18.5	19.0	20.0	18.5	18.0	17.0	15.0	14.5	13.5	13.5	14.0	13.5	15.5	17.0	16.5	15.0	14.0	14.5	15.0	13.5	
51 kc																									
Fam	119	119	120	123	121	121	117	117	117	117	117	117	117	117	115	115	113	113	113	115	116	119	119	121	
Du	8	10	9	6	6	6	10	6	8	6	6	6	6	4	5	4	8	7	7	8	7	6	5	4	
Dl	4	6	5	8	8	6	6	6	8	6	4	4	2	4	2	2	4	3	5	4	6	6	6	8	
Vdm	130	135	13.5	14.0	14.0	15.0	15.0	14.0	14.0	14.0	9.5	10.5	7.5	8.5	8.0	9.0	8.0	9.0	8.0	7.0	9.5	10.5	10.0	14.0	
Ldm	19.0	20.0	19.0	21.0	21.0	22.0	22.0	21.0	21.0	20.0	16.0	16.0	12.5	14.0	13.5	14.0	13.0	15.0	14.0	12.5	15.0	16.0	15.5	20.5	
160 kc																									
Fam	86	84	88	88	88	88	80	74	69	69	70	70	71	70	66	68	65	66	68	76	82	80	84	86	
Du	13	16	13	14	13	10	14	22	17	15	20	14	13	12	18	12	11	12	14	15	13	23	11	14	
Dl	13	10	10	13	13	14	8	13	11	11	10	8	9	12	8	10	7	7	6	6	11	6	12	12	
Vdm	150	130	140	18.5	16.0	14.5	16.0	15.5	11.5	11.5	9.0	7.0	16.0	13.5	7.0	6.0	5.5	8.0	5.0	6.5	7.0	15.0	13.5	12.0	
Ldm	21.0	19.0	21.0	26.0	24.0	21.5	24.5	21.0	14.5	16.0	13.5	9.5	27.0	20.0	9.0	8.5	7.0	10.0	8.5	11.0	11.0	20.0	18.0	17.5	
545 kc																									
Fam	61	63	65	67	65	65	55	55	55	57	55	55	55	55	55	55	55	57	55	61	61	63	63	63	
Du	19	18	15	20	12	12	8	30	3	6	8	6	6	4	4	6	5	3	6	15	19	12	14	17	
Dl	7	10	12	12	13	11	2	4	3	4	4	4	4	4	4	2	4	4	2	4	4	4	5	6	
Vdm	80	100	75	70	130	70	50	45	35	40	30	30	40	40	30	30	35	30	30	25	35	50	45	60	
Ldm	10.5	14.5	9.5	10.0	18.0	9.0	8.0	7.5	7.5	7.0	7.0	5.5	7.0	7.0	5.0	5.5	6.5	6.0	5.5	5.0	6.0	7.5	6.0	8.0	
2.5 Mc																									
Fam	47	47	47	45	47	47	43	37	35	33	33	33	33	33	35	35	35	33	33	37	41	45	47	45	
Du	9	12	10	11	10	12	11	2	3	5	4	6	6	6	2	4	4	7	5	9	15	8	7	9	
Dl	18	10	8	5	9	9	6	3	3	2	2	2	2	2	4	6	4	2	2	4	6	9	9	8	
Vdm	7.5	40	5.5	8.5	100	40	30	30	30	25	30	25	30	30	20	30	25	25	30	30	40	35	40	35	
Ldm	10.0	7.0	7.5	11.0	14.0	5.0	4.0	4.0	4.0	4.5	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0	5.0	6.0	7.0	5.0	7.0	5.5	
5 Mc																									
Fam	57	59	61	59	51	49	44	35	29	25	25	25	25	25	25	27	29	33	35	45	47	48	51	53	
Du	4	7	4	4	11	5	5	10	4	5	7	5	4	4	6	2	6	4	6	4	4	5	4	2	
Dl	7	8	9	6	10	6	13	8	7	4	4	4	6	4	6	6	4	8	7	12	5	3	6	8	
Vdm	70	80	85	60	75	80	85	80	70	30	35	30	30	30	35	35	30	60	50	65	60	60	55	40	
Ldm	11.0	13.0	14.0	13.0	10.5	13.0	12.5	11.5	10.5	5.0	6.0	4.5	5.0	5.5	5.0	6.0	5.0	9.0	8.5	10.0	10.0	11.5	9.0	6.5	
10 Mc																									
Fam	43	43	41	40	39	39	37	31	23	19	19	19	19	19	19	21	26	33	39	41	41	43	43	43	
Du	2	2	4	3	3	3	4	4	7	6	2	4	5	6	6	4	12	2	2	4	4	2	2	2	
Dl	3	3	3	5	9	7	7	9	6	6	4	4	6	4	4	4	5	10	11	4	2	2	2	2	
Vdm	50	55	60	70	65	60	65	65	65	30	35	45	35	70		65	50	50	50	50	50	50	45	45	
Ldm	85	95	95	100	100	90	100	95	110	45	50	70	55	90		95	80	85	85	80	90	90	85	85	
20 Mc																									
Fam	27	25	25	25	25	23	23	23	21	21	19	19	19	19	19	21	26	33	39	41	41	43	43	43	
Du	7	5	3	2	2	4	4	3	2	4	2	2	2	2	2	0	4	2	2	4	4	3	6	10	
Dl	2	2	2	2	2	0	2	3	1	3	2	2	2	2	4	4	4	4	2	2	3	2	2	4	
Vdm	40	40	25	30	25	25	25	30	20	30	30	20	30	25	30	30	30	25	30	35	40	35	30	30	
Ldm	60	60	45	50	40	35	45	50	40	50	50	35	50	45	50	50	50	45	55	55	60	60	55	50	



# MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22. 0 N Long. 159. 7 W

Month September 19 58

Hour (LST)	Frequency (Mc)																																																						
	. 013						. 051						. 160						. 545						2.5						5						10						20												
	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>
	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	154	2	2	10.5	17.0	129	4	4	12.5	19.5	106	4	8	13.0	21.5	83	8	8	14.0	21.0	55	6	4	4.0	7.5	56	4	4	6.0	10.5	43	2	3	5.0	9.0	27	2	2	3.0	5.0	43	2	3	5.0	9.0	27	2	2	3.0	5.0					
01	154	2	2	10.0	17.0	131	0	4	12.5	20.0	104	6	6	14.0	22.5	83	6	10	15.0	24.5	55	4	6	5.0	8.0	56	5	7	5.0	9.0	43	1	2	4.5	8.0	25	3	2	2.0	4.0	43	1	2	4.5	8.0	25	3	2	2.0	4.0					
02	154	2	4	10.5	17.0	129	4	4	12.0	18.5	104	6	4	14.5	22.0	83	8	4	16.0	25.0	55	4	6	5.0	9.5	60	6	5	6.0	12.0	41	2	1	5.0	9.5	25	3	2	2.5	5.0	41	2	1	5.0	9.5	25	3	2	2.5	5.0					
03	154	2	4	11.5	19.0	131	2	4	13.5	21.0	104	6	4	16.0	24.0	81	8	4	13.5	21.0	55	4	4	5.0	8.5	60	7	4	6.0	12.0	39	2	1	6.0	9.0	25	5	2	2.0	4.0	39	2	1	6.0	9.0	25	5	2	2.0	4.0					
04	154	2	4	12.0	19.0	131	2	6	12.0	19.5	104	6	6	15.0	22.0	81	8	8	12.0	22.0	55	2	6	5.0	8.0	52	8	5	4.5	9.0	39	2	2	5.0	8.5	23	2	1	2.0	3.0	39	2	2	5.0	8.5	23	2	1	2.0	3.0					
05	154	2	4	12.0	18.5	129	4	4	11.5	20.0	102	6	8	11.5	19.5	77	6	6	15.0	25.0	53	6	6	5.0	8.0	49	5	3	7.5	12.0	39	7	3	4.5	8.0	23	2	1	1.5	3.0	39	7	3	4.5	8.0	23	2	1	1.5	3.0					
06	154	2	4	11.0	18.0	127	2	6	11.5	19.5	90	8	6	13.0	21.0	59	4	4	6.0	11.0	51	4	6	6.0	9.0	50	3	3	6.5	10.5	41	5	2	5.0	9.0	23	4	0	2.0	3.5	41	5	2	5.0	9.0	23	4	0	2.0	3.5					
07	153	1	3	11.0	18.0	119	4	4	10.5	18.5	72	8	7	12.0	16.0	55	4	4	4.5	7.0	39	12	6	2.0	4.0	37	5	2	6.0	10.0	37	3	2	5.0	9.0	25	4	2	3.0	6.0	37	3	2	5.0	9.0	25	4	2	3.0	6.0					
08	150	2	0	11.0	17.0	114	3	5	11.0	18.5	66	13	10	9.0	11.0	55	2	4	3.0	6.0	35	14	4	1.5	3.5	32	5	6	8.0	11.5	29	2	2	8.0	12.0	23	3	2	3.5	6.5	29	2	2	8.0	11.5	29	2	2	3.5	6.5					
09	150	2	2	10.0	16.0	111	6	6	13.0	19.5	67	10	9	6.0	8.0	55	8	2	5.0	8.0	33	2	2	3.0	5.0	24	3	7	3.5	5.0	21	4	4	6.0	8.0	21	5	2	2.5	5.5	21	4	4	6.0	8.0	21	5	2	2.5	5.5					
10	150	2	2	10.5	16.0	113	4	8	9.5	17.0	68	13	10	18.5	22.5	55	4	2	5.0	7.5	33	6	4	3.5	5.5	26	2	5	3.0	5.5	21	3	2	5.5	9.5	19	2	2	3.0	5.0	21	3	2	5.5	9.5	19	2	2	3.0	5.0					
11	150	2	2	9.0	14.5	111	6	4	10.5	17.0	66	12	8	7.5	9.5	57	2	6	5.0	7.5	33	3	4	2.5	4.5	24	3	5	3.0	5.0	19	4	2	6.0	9.0	17	4	2	3.5	5.5	19	4	2	6.0	9.0	17	4	2	3.5	5.5					
12	150	2	2	9.5	15.5	113	2	6	11.0	17.0	67	13	7	4.0	6.0	55	4	4	3.5	6.0	31	2	2	3.0	4.5	24	2	5	3.5	5.0	21	0	5	7.0	10.0	17	3	2	2.0	3.5	21	0	5	7.0	10.0	17	3	2	2.0	3.5					
13	150	2	2	11.0	17.0	112	3	5	7.5	12.5	64	11	4	4.5	7.0	55	4	5	2.5	5.5	33	2	4	3.0	5.0	24	2	4	3.0	5.0	17	7	2	5.5	8.5	19	4	2	2.5	4.5	17	7	2	5.5	8.5	19	4	2	2.5	4.5					
14	150	0	2	11.5	17.5	111	5	7	8.0	14.0	64	13	4	16.0	22.5	53	4	0	2.0	5.5	31	2	2	2.5	4.0	24	2	2	2.5	3.5	19	10	5	9.0	12.0	21	6	2	2.5	5.0	19	10	5	9.0	12.0	21	6	2	2.5	5.0					
15	148	3	2	10.5	17.0	109	6	3	10.0	16.0	64	8	6	6.0	8.0	55	4	2	5.5	9.0	31	3	1	2.0	4.0	26	2	4	4.0	6.0	22	8	4	5.5	9.0	23	3	0	2.5	4.5	22	8	4	5.5	9.0	23	3	0	2.5	4.5					
16	148	2	2	11.5	17.5	107	8	4	10.0	16.0	60	16	4	7.0	9.0	53	2	2	4.0	5.5	31	2	2	2.5	4.0	28	5	5	5.5	8.5	31	2	5	4.5	8.0	25	4	1	2.5	5.0	31	2	5	4.5	8.0	25	4	1	2.5	5.0					
17	148	2	4	11.0	18.0	105	8	2	11.0	16.5	62	13	4	4.0	7.0	55	3	4	4.0	6.0	31	2	2	2.5	4.5	34	4	6	4.0	7.0	39	4	4	4.0	7.5	27	8	2	3.5	6.0	39	4	4	4.0	7.5	27	8	2	3.5	6.0					
18	148	2	2	10.5	17.0	109	2	4	9.0	15.0	77	9	6	6.0	10.5	57	4	4	3.0	5.0	33	4	2	2.0	4.0	42	4	7	3.5	6.0	41	2	3	4.0	8.0	29	3	4	3.5	6.0	41	2	3	4.0	8.0	29	3	4	3.5	6.0					
19	148	2	2	10.0	17.0	115	2	6	8.5	14.0	86	6	4	8.5	14.0	71	8	6	7.5	14.0	41	10	4	3.0	6.0	46	6	4	8.5	13.0	41	4	2	6.0	10.5	27	6	3	3.0	6.0	41	4	2	6.0	10.5	27	6	3	3.0	6.0					
20	148	4	0	9.5	16.0	117	4	2	10.0	16.5	92	4	7	12.5	21.0	73	6	8	12.0	16.0	49	5	7	3.5	7.0	48	3	2	6.5	11.0	43	2	3	5.0	9.0	27	2	2	3.5	5.5	43	2	3	5.0	9.0	27	2	2	3.5	5.5					
21	152	2	4	10.0	17.0	119	6	4	12.0	18.5	96	4	10	9.0	15.0	75	8	8	11.0	18.5	52	3	7	4.5	7.5	50	4	2	6.5	10.5	43	2	2	5.0	9.0	25	4	1	2.5	5.0	43	2	2	5.0	9.0	25	4	1	2.5	5.0					
22	152	2	2	11.0	17.0	123	4	4	11.5	18.5	98	5	7	14.0	20.5	79	6	6	9.5	15.5	53	5	6	4.0	5.5	52	5	6	6.0	10.0	43	4	2	4.5	8.5	27	4	2	3.0	6.0	43	4	2	4.5	8.5	27	4	2	3.0	6.0					
23	152	4	2	10.0	17.0	125	6	2	14.0	20.0	102	5	9	12.5	20.5	81	6	4	12.0	19.0	55	5	6	5.0	8.5	50	4	2	5.0	9.0	43	2	2	4.5	8.0	25	9	4	3.0	5.5	43	2	2	4.5	8.0	25	9	4	3.0	5.5					

F<sub>m</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	157	5	7	12.0	18.5	131	7	7	12.0	20.0	107	12	7	12.5	23.5	85	12	7	7.0	20.0	58	8	8	9.0	15.0	58	4	6	3.5	7.5	43	3	3	6.0	16.0	27	6	2	3.0	5.0
01	155	8	4	11.0	18.5	131	6	4	11.0	19.0	107	11	4	13.0	22.0	89	10	8	12.0	20.5	56	11	5	11.5	17.0	60	7	7	4.0	8.0	41	4	2	6.0	10.0	25	2	2	2.0	3.5
02	155	6	5	12.0	19.0	131	6	4	12.0	20.0	109	8	8	13.0	21.0	87	9	8	12.0	21.0	57	7	7	7.5	13.5	62	7	4	7.0	11.5	41	4	4	6.0	10.0	25	2	2	2.0	4.0
03	155	6	6	13.0	20.0	133	3	4	12.0	20.0	109	6	6	13.0	22.0	87	9	9	10.0	20.0	57	7	6	5.0	11.0	66	8	7	6.0	13.0	39	5	3	4.5	8.5	23	6	0	2.0	3.5
04	155	6	4	12.0	19.0	133	4	4	13.0	20.5	107	8	6	13.5	22.0	83	12	6	11.5	18.0	57	9	7	8.0	14.0	54	14	8	7.5	15.0	37	4	2	5.5	8.0	23	4	2	2.0	3.5
05	155	4	4	12.0	19.0	133	4	4	12.5	19.5	107	6	10	13.0	22.5	81	13	9	9.0	18.5	56	9	5	8.0	13.5	50	7	9	9.0	15.0	37	3	3	4.5	7.5	23	2	0	1.5	3.0
06	155	6	4	12.0	18.0	131	4	4	13.0	20.0	99	10	6	13.0	22.5	69	9	6	10.5	17.0	54	11	3	8.0	14.0	50	6	6	8.0	13.0	39	4	2	5.0	9.0	25	2	2	2.0	3.5
07	155	3	4	11.0	18.0	123	6	4	11.0	18.5	81	19	13	15.5	26.0	59	19	5	9.5	13.5	49	4	10	5.0	10.0	40	7	4	8.0	13.0	39	4	3	6.5	10.5	26	7	3	4.0	7.0
08	151	7	3	12.0	18.5	115	12	5	13.0	20.5	75	27	14	13.0	20.0	58	21	5	6.5	9.0	45	6	14	2.5	5.0	30	7	2	6.5	12.5	31	6	4	7.5	13.0	25	8	4	3.5	7.0
09	151	8	4	12.0	18.5	113	6	8	14.0	22.5	81	21	18	10.0	14.0	59	18	5	5.0	9.5	41	6	12	2.5	4.5	22	8	2	2.5	5.0	26	9	5	11.0	17.0	22	5	3	4.0	7.0
10	151	7	4	12.5	17.5	113	7	8	14.0	20.5	77	23	15	12.0	18.0	56	18	2	6.0	9.0	42	5	13	3.0	5.5	26	4	4	6.0	10.0	20.5	12	4	9.0	15.0	23	6	6	4.5	7.5
11	153	4	6	10.5	17.0	115	12	12	13.0	21.0	79	24	20	14.0	26.0	60	19	7	6.5	10.0	43	3	6	3.5	7.5	24	8	4	6.0	9.0	23	10	4	9.0	16.0	21	4	4	4.5	7.0
12	153	4	8	12.0	19.0	117	12	14	13.5	21.5	81	25	20	11.5	20.0	57	20	2	12.0	16.0	39	6	12	3.0	5.0	22	4	4	5.0	7.5	21	4	4	8.5	12.0	20	3	3	3.0	5.0
13	153	4	8	12.0	20.0	115	11	12	14.0	21.5	81	18	18	8.5	11.5	61	22	8	5.5	9.0	37	10	8	3.0	5.0	24	4	4	4.0	6.5	21	8	4	8.0	11.0	21	4	3	2.5	5.0
14	150	8	5	12.5	20.0	115	12	12	16.0	23.5	75	22	12	7.5	10.5	57	24	6	3.5	6.0	39	8	9	2.5	6.0	24	4	2	4.0	7.5	23	8	4	10.0	16.5	23	4	2	3.0	6.0
15	151	8	6	14.5	21.5	115	10	14	15.5	23.5	77	22	14	7.0	13.0	56	19	4	6.0	8.0	42	5	11	3.5	6.5	26	8	4	6.0	9.0	25	10	5			27	0	4	2.5	5.0
16	151	6	6	14.0	21.5	111	14	9	14.0	20.0	73	25	12	8.0	14.0	56	19	4	7.0	9.0	43	2	13	3.0	5.0	31	7	3	9.0	13.0	33	2	4	4.5	9.0	27	4	2	3.5	5.5
17	151	6	6	13.0	20.0	111	12	8	11.0	17.0	77	22	12	6.5	10.0	59	18	6	5.0	8.0	43	4	14	2.5	4.0	36	4	5	9.5	14.5	39	5	4	6.0	10.0	27	6	2	3.0	5.5
18	150	6	5	12.5	20.0	115	10	8	11.0	18.0	89	15	12	10.0	15.5	65	19	8	4.5	7.5	47	3	13	3.0	4.5	46	3	10	8.0	12.0	41	4	4	6.5	10.5	27	4	4	4.0	6.0
19	151	5	5	13.0	20.0	117	13	6	9.0	17.0	95	14	12	13.0	20.5	79	10	14	7.5	10.0	51	8	10	8.0	11.0	48	7	9	8.5	14.5	41	5	3	7.0	12.0	27	2	4	4.0	7.0
20	154	5	5	12.5	19.0	124	8	9	11.5	18.5	101	12	12	13.0	21.0	81	12	13	8.5	17.5	55	10	8	11.0	16.0	53	3	7	6.5	11.5	42	3	3	6.5	11.5	27	4	4	4.0	7.0
21	155	3	6	11.0	19.0	127	7	11	13.0	19.5	105	9	14	12.0	22.5	83	12	12	8.0	12.0	57	7	9	9.0	13.0	56	3	10	6.0	12.0	43	4	5	6.0	10.0	27	2	2	4.0	6.5
22	155	6	6	11.0	18.5	129	7	8	12.5	20.0	105	13	10	13.0	21.5	87	11	17	9.0	16.0	57	8	8	7.5	11.5	56	4	6	5.0	12.0	43	4	2	6.0	10.0	27	11	2	3.0	6.0
23	155	7	4	11.5	19.0	129	9	3	13.5	21.0	107	11	12	13.0	22.0	85	12	12	11.0	18.0	57	7	8	11.0	17.0	54	6	6	5.5	11.0	43	4	2	5.0	10.0	28	6	3	3.5	6.5

F<sub>m</sub> = median value of effective antenna noise in db above k1b

D<sub>g</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power







# MONTH-HOUR VALUES OF RADIO NOISE

Station *Kekaha, Kauai, T.H.* Lat. *22°N* Long. *159.7°W* Month *December* 19 *58*

Hour (ST)	Frequency (Mc)											
	0.0133				0.05125				0.1605			
	F <sub>am</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	156 2	6	8.5 14.5	127 4	6	10.0 16.0	101 9	7	8.5 16.0	101 9	7	8.5 16.0
01	154 3	4	9.5 15.5	129 2	6	9.5 16.0	103 7	8	10.0 16.0	103 7	8	10.0 16.0
02	154 2	3	10.0 16.5	129 4	4	11.5 18.5	103 9	3	10.5 18.0	81 9	6	11.0 17.5
03	154 2	2	10.0 16.0	129 4	4	11.0 18.5	103 9	4	10.0 17.5	79 10	6	11.0 17.5
04	154 2	2	10.0 16.5	131 2	4	11.5 19.0	103 8	4	10.0 18.0	77 9	6	11.5 15.5
05	156 2	4	10.5 17.0	131 3	4	12.0 19.5	105 6	6	10.0 18.0	77 9	6	11.5 15.5
06	156 2	2	11.0 17.0	131 2	4	12.0 19.5	101 4	4	10.0 17.5	69 8	5	10.0 15.0
07	156 2	2	11.0 18.0	123 4	4	12.5 20.0	85 8	7	13.0 20.5	59 7	4	4.5 8.5
08	152 2	4	11.5 18.0	115 10	5	13.0 20.0	73 14	8	10.5 18.0	59 7	4	4.5 8.0
09	150 3	4	13.0 19.0	105 12	6	14.0 20.5	67 25	6	17.0 22.0	55 6	4	4.5 7.5
10	150 2	4	12.0 19.0	107 7	6	13.5 21.5	69 18	10	15.5 21.5	55 6	6	5.0 8.5
11	150 2	2	12.5 19.0	109 7	10	17.0 24.5	69 20	9	10.0 14.0	53 8	2	6.0 10.0
12	150 2	3	13.0 20.5	107 8	6	15.5 22.5	67 22	7	12.0 19.0	54 5	3	4.5 9.0
13	150 2	6	14.0 20.5	107 10	6	13.5 20.5	67 20	5	13.5 18.0	57 8	2	4.5 8.0
14	150 2	4	14.5 22.5	109 9	7	16.0 23.5	67 19	7	14.5 21.5	53 4	4	5.0 9.0
15	149 3	5	14.5 21.5	108 9	9	15.0 22.5	65 21	6	14.5 23.0	53 7	4	5.5 9.0
16	148 4	3	14.0 21.0	102 13	5	13.0 19.0	65 14	4	5.5 8.5	53 4	4	4.0 7.5
17	148 3	4	12.0 19.0	103 9	7	13.0 19.5	75 22	8	6.5 12.0	57 11	4	8.0 13.0
18	148 2	4	9.5 15.0	107 10	6	11.5 18.0	83 10	8	12.0 20.0	63 12	4	5.0 7.0
19	150 2	4	8.5 13.0	113 6	6	11.0 15.5	89 10	12	12.5 20.5	73 6	7	8.0 13.5
20	152 2	5	8.0 13.0	117 6	8	12.5 18.0	95 5	14	13.0 21.0	77 6	10	7.0 13.0
21	154 0	5	8.0 13.0	121 4	8	12.5 17.5	95 8	9	12.0 20.0	77 6	6	9.5 16.0
22	154 2	5	8.0 14.0	123 4	5	10.0 16.0	99 6	10	11.0 18.0	79 10	8	13.0 17.0
23	154 3	4	8.0 14.0	125 4	4	8.5 14.0	99 7	6	11.0 18.0	77 10	7	7.0 13.0

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>f</sub> = ratio of upper decile to median in db  
V<sub>dm</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W

Month January 19 59

Time (EST)	Frequency											
	13 kc				51 kc				160 kc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>
	545 kc				2.5 Mc				5 Mc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>
	10 Mc				20 Mc							
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>
00	155	3	2	95	155	128	9	4	100	165	100	18
01	155	4	2	90	155	130	8	5	100	170	102	16
02	155	4	4	100	155	130	8	2	110	180	104	17
03	155	4	4	95	155	130	9	2	110	180	104	16
04	155	4	4	100	155	132	7	4	105	175	104	17
05	155	5	2	100	155	132	7	4	100	170	106	13
06	155	4	4	100	160	132	6	4	110	175	104	15
07	157	2	5	100	160	126	8	4	115	185	94	18
08	153	1	4	115	185	120	11	4	110	180	88	24
09	151	6	4	120	195	114	20	10	145	205	86	28
10	151	5	6	130	185	113	21	7	185	250	86	28
11	151	4	6	135	210	116	16	18	165	240	84	28
12	151	4	6	135	210	114	17	8	170	245	78	30
13	149	6	2	150	220	113	18	8	155	250	76	38
14	150	3	7	155	230	116	16	10	155	240	80	32
15	149	6	6	160	235	116	15	13	150	245	88	22
16	149	4	6	160	230	112	20	11	165	250	88	23
17	149	7	6	150	230	112	25	12	150	240	90	24
18	147	8	2	140	210	117	18	15	160	230	96	15
19	149	10	5	130	205	117	19	13	145	210	96	21
20	151	7	4	120	195	120	16	8	135	220	98	16
21	153	3	4	115	185	122	12	4	130	220	98	16
22	155	3	5	105	165	126	11	6	110	185	99	19
23	155	4	4	95	150	128	8	4	105	170	99	19

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, (Kauai) T. H. Lat. 22.0 N Long. 159.7 W Month February 19 59

Hour (EST)	Frequency											
	13 kc				51 kc				160 kc			
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du
00	154	2	2	80	135	127	5	3	90	150	98	4
01	154	2	2	90	150	128	4	2	85	140	98	6
02	154	3	2	90	150	129	3	3	90	145	98	9
03	156	0	2	100	160	129	5	3	100	160	100	10
04	156	1	2	100	165	130	2	3	100	170	98	10
05	156	1	3	100	160	130	2	2	100	160	98	10
06	156	2	2	95	160	130	4	2	110	185	98	6
07	156	2	2	105	165	122	2	2	110	170	80	14
08	152	2	2	110	170	116	4	3	100	165	68	15
09	150	2	2	100	165	105	7	7	95	145	68	18
10	149	3	3	110	165	102	9	8	165	225	64	18
11	148	2	2	105	160	102	12	6	155	235	64	14
12	148	2	2	120	180	106	8	8	145	220	64	14
13	148	2	3	135	195	104	12	4	140	195	64	16
14	147	3	1	135	200	105	11	5	165	240	66	12
15	146	2	2	150	215	106	6	4	155	205	64	18
16	146	4	2	145	220	104	6	4	130	190	64	16
17	146	4	0	140	210	102	10	2	140	190	66	18
18	148	2	4	120	190	102	6	4	95	135	72	19
19	146	2	2	105	170	108	10	8	75	120	80	17
20	150	2	4	95	150	114	11	8	120	170	86	16
21	150	4	2	80	140	116	10	6	140	195	88	14
22	152	4	2	80	140	122	4	6	110	165	92	12
23	154	2	2	80	130	126	2	6	100	140	94	9

Fam = median value of effective antenna noise in db above k1b

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power



## RADIO NOISE DATA

Station OHIRA, JAPAN Lat. 35.6 N Long. 140.5 E Type Recorder ARN-2 Month JUNE 1958

L S T

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
13 ko																								
Fam	155	155	155	155	155	155	155	155	*149	*150	*151	*151	*151	*153	*155	*157	157	157	157	155	155	155	157	155
D <sub>U</sub>	2	2	2	2	2	2	2	2									4	3	4	4	2	4	1	4
D <sub>L</sub>	1	2	2	2	2	2		0	2								4	4	3	3	2	2	3	0
Vdm																								
Ldm																								
51 ko																								
Fam	130	130	130	130	124	120	114	114	*114	*116	*117	*120	*120	*122	*124	*124	123	124	120	122	126	130	130	130
D <sub>U</sub>	2	0	2	0	3	5	6	4									3	10	6	6	5	3	4	3
D <sub>L</sub>	2	2	4	4	2	3	6	8									1	10	8	6	4	4	4	3
Vdm																								
Ldm																								
160 ko																								
Fam	106	105	105	105	95	81	77	75	*77	*79	*83	*81	*83	84	*85	89	86	87	88	95	103	106	105	105
D <sub>U</sub>	2	4	4	4	4	7	10	10						15		16	21	31	29	16	4	4	6	6
D <sub>L</sub>	3	4	4	4	7	10	8	6						7		16	13	13	11	6	6	4	3	4
Vdm																								
Ldm																								
545 ko																								
Fam	75	75	75	72	61	63	63	*63	*63	*63	*63	*62	*65	63	*61	61	63	66	64	74	78	81	80	81
D <sub>U</sub>	6	8	8	8	11	2	2							10		22	24	30	29	17	9	5	8	8
D <sub>L</sub>	5	5	4	3	4	2	2							2		2	4	5	3	5	6	7	9	8
Vdm																								
Ldm																								
2.5 Mo																								
Fam	55	55	55	53	51	39	33	33	*25	*27	*27	*27	*27	*29	*27	*27	37	33	37	45	53	54	53	55
D <sub>U</sub>	7	6	5	8	7	6	4	2									14	24	24	16	6	5	8	6
D <sub>L</sub>	6	5	6	4	5	5	3	4									6	3	5	5	6	7	4	6
Vdm																								
Ldm																								
5 Mo																								
Fam	55	54	53	53	51	39	33	29	*23	*23	*25	*23	*25	27	*26	*29	35	41	43	55	65	69	71	57
D <sub>U</sub>	5	4	3	3	3	7	2	4						12			10	17	12	7	4	4	4	18
D <sub>L</sub>	6	3	5	5	5	5	7	6						6			10	9	5	9	7	6	7	6
Vdm																								
Ldm																								
10 Mo																								
Fam	44	42	42	44	42	38	32	26	*22	*22	*22	*21	*22	26	*28	*31	32	39	43	44	44	44	44	44
D <sub>U</sub>	4	5	3	3	3	5	5	6						8			10	5	3	5	4	4	5	4
D <sub>L</sub>	2	2	2	4	4	2	4	4						6			4	4	5	4	2	3	2	2
Vdm																								
Ldm																								
20 Mo																								
Fam	25	25	23	23	23	23	25	23	*21	*22	*23	*23	*23	*23	*25	*25	29	29	29	25	24	26	26	25
D <sub>U</sub>	6	4	3	2	2	7	8	6									6	4	5	4	3	7	3	7
D <sub>L</sub>	2	3	2	2	2	2	4	2									2	6	5	6	2	3	3	2
Vdm																								
Ldm																								

# RADIO NOISE DATA

Station OHIRA, JAPAN Lat. 35.6 N Long. 140.5 E Type Recorder ARN-2 Month JULY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
13 kc																								
F <sub>am</sub>	157	157	153	155	155	153	153	153	*153	*154	*152	*151	*153	*153	*154	155	157	157	157	155	153	154	157	154
D <sub>u</sub>	2	2	3	6	4	4	6	6								4	6	2	4	4	2	2	4	2
D <sub>l</sub>	4	2	1	0	2	4	4	4								2	2	2	2	2	4	4	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
51 kc																								
F <sub>am</sub>	131	131	132	130	128	123	120	120	*121	*122	*121	*122	*122	*124	*124	126	124	124	122	122	128	130	133	131
D <sub>u</sub>	5	5	4	4	6	9	14	12								10	10	12	11	14	6	6	5	5
D <sub>l</sub>	5	3	4	2	2	3	6	10								4	2	4	6	4	4	4	5	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
160 kc																								
F <sub>am</sub>	109	108	109	108	104	94	93	94	*101	*101	*88	*88	*90	*88	*93	92	86	87	87	99	106	108	109	*110
D <sub>u</sub>	7	7	7	6	8	21	23	20								33	35	30	31	4	8	8	9	
D <sub>l</sub>	7	6	5	7	10	17	15	16								6	3	9	9	7	5	5	6	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	80	83	82	83	73	71	68	*69	*67	*78	*64	*63	*68	*65	*67	69	66	67	66	78	78	83	83	84
D <sub>u</sub>	15	14	15	10	18	18	22									32	29	26	26	20	14	10	8	13
D <sub>l</sub>	4	9	7	14	14	10	9									8	4	5	4	9	3	8	6	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc *																								
F <sub>am</sub>	58	59	60	60	59	44	37	33	30	28	29	27	32	31	31	33	35	36	41	47	53	57	57	59
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc *																								
F <sub>am</sub>	55	56	54	54	55	45	36	28	30	24	28	24	26	28	28	32	32	38	46	54	62	66	68	58
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc *																								
F <sub>am</sub>	44	44	44	44	43	41	38	32	24	20	22	22	23	23	26	29	36	40	42	46	46	46	46	46
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc *																								
F <sub>am</sub>	25	22	22	22	22	22	22	22	22	20	20	20	24	30	28	28	26	28	28	24	26	26	26	26
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station OHIRA, JAPAN Lat. 35.6 N Long. 140.5 E Type Recorder ARN-2 Month AUGUST 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
13 kc																								
F <sub>am</sub>	153	152	153	152	152	153	151	150	*149	*146	148	148	148	149	150	153	153	153	153	152	152	153	154	153
D <sub>u</sub>	5	6	5	6	6	3	4	4			5	7	8	11	8	5	5	6	7	4	7	5	2	4
D <sub>l</sub>	7	4	6	5	5	6	3	5			8	4	4	5	2	5	3	3	5	4	4	5	7	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
51 kc																								
F <sub>am</sub>	129	127	128	128	129	126	124	122	*120	*125	124	122	124	126	126	130	130	129	126	128	128	126	128	128
D <sub>u</sub>	7	9	10	8	7	8	10	12			14	13	16	16	14	12	12	21	12	10	10	10	8	8
D <sub>l</sub>	4	6	7	6	7	6	5	6			12	7	6	6	6	10	6	9	6	6	8	4	6	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
160 kc																								
F <sub>am</sub>	106	108	108	106	105	96	95	92	*90	*84	94	92	94	91	94	98	96	93	90	98	102	104	104	106
D <sub>u</sub>	10	10	10	10	11	12	14	15			16	24	28	31	26	28	28	26	24	14	13	10	13	8
D <sub>l</sub>	10	12	12	11	12	11	18	14			16	10	12	7	8	14	14	11	6	8	8	8	7	13
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	80	81	82	82	70	70	70	70	*69	*70	68	66	71	72	72	74	71	70	70	80	84	86	85	86
D <sub>u</sub>	14	12	10	10	18	17	13	10			20	24	25	24	26	26	32	28	17	14	9	7	11	13
D <sub>l</sub>	11	12	13	13	5	6	8	6			4	4	6	6	10	12	7	4	6	10	10	8	9	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	55	56	56	58	57	45	36	33	*33	*27	*28	29	29	28	28	29	33	34	41	47	53	55	55	55
D <sub>u</sub>	8	7	9	5	6	10	13	21				10	18	17	27	31	30	19	14	8	6	8	4	8
D <sub>l</sub>	8	7	7	11	12	10	5	3				3	3	1	3	4	2	2	6	10	12	12	9	10
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	54	53	56	55	54	48	33	31	*28	*26	*27	26	28	26	26	28	34	38	49	63	64	68	66	54
D <sub>u</sub>	4	7	2	5	6	5	11	11				9	14	13	16	23	12	14	4	7	6	8	7	20
D <sub>l</sub>	6	7	9	7	6	10	3	7				2	4	2	3	6	10	9	9	15	6	6	10	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	45	45	43	43	43	42	37	31	*32	*24	23	24	22	25	27	33	39	43	44	44	45	45	45	45
D <sub>u</sub>	2	2	4	4	2	3	6	5			10	12	15	7	10	11	4	2	1	3	4	4	4	2
D <sub>l</sub>	4	3	2	4	5	3	6	7			4	5	3	5	4	7	9	6	5	2	2	3	3	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	23	22	21	21	21	21	22	21	*19	*19	17	19	20	21	23	25	27	27	27	26	23	23	24	23
D <sub>u</sub>	4	3	4	2	1	2	3	5			8	9	7	13	8	5	8	14	11	11	8	4	3	4
D <sub>l</sub>	2	1	1	2	2	2	1	2			0	3	3	3	3	4	4	3	5	5	2	2	3	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								



# MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N Long. 140.5E

Month September 19 58

Hour (LST)	Frequency (Mc)																																																															
	.013								.051								.160								.545								2.5								5								10								20							
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>																								
00	155	8	6			130	12	4			109	12	6			88	9	11				54	10	8			51	8	10			42	8	6			23	4	2																									
01	155	8	6			130	10	4			111	10	10			88	7	11				56	6	10			53	10	14			42	6	8			23	4	2																									
02	155	6	6			130	10	4			111	10	8			89	8	12				54	10	8			55	6	16			42	6	8			23	4	2																									
03	155	4	4			132	6	4			111	8	10			89	8	14				58	6	14			52	13	13			40	4	10			21	2	0																									
04	155	6	4			131	9	7			109	10	10			83	14	12				54	10	11			53	11	11			40	6	10			21	4	0																									
05	155	6	4			126	10	6			100	17	15			75	20	10				51	13	9			55	16	16			42	4	8			25	2	4																									
06	154	5	8			122	14	10			93	22	22			74	21	12				40	10	6			39	6	6			38	6	8			23	4	2																									
07	153	6	8			120	14	11			91	27	22			73	24	8				38	12	6			31	5	5			32	9	6			21	6	2																									
08	153					*116					*79					*64						*36					*29						*26			*19																												
09	153					*116					*81					*69						*31					*25						*22			*19																												
10	151					*119					91	22	16			71	22	6				*32					*25						24	14	6			20	6	3																								
11	153	6	4			126	10	10			91	22	15			72	20	11				32	26	4			29	12	6			27	10	9			21	7	4																									
12	153	7	5			122	16	6			89	22	10			72	18	4				32	18	3			27	10	2			24	13	7			21	7	4																									
13	153	6	3			127	14	11			97	21	19			75	20	9				34	16	5			29	11	7			24	11	7			21	4	2																									
14	155	7	5			128	13	9			101	26	21			79	23	14				30	28	4			27	18	4			28	13	5			23	6	2																									
15	155	6	4			128	11	9			97	21	17			72	26	8				35	22	8			31	16	8			34	9	2			25	11	4																									
16	157	6	5			126	12	9			90	34	14			77	28	13				37	21	6			38	15	9			40	6	6			27	6	4																									
17	155	13	4			125	11	12			94	21	18			78	25	11				38	26	3			49	14	12			44	5	12			29	6	6																									
18	155	12	4			130	13	10			107	16	17			87	12	11				48	25	9			59	11	11			46	6	3			27	5	4																									
19	155	6	4			131	6	12			109	9	10			93	7	8				56	9	9			63	12	8			46	4	4			27	4	6																									
20	155	5	2			130	6	5			107	11	9			95	7	6				56	8	7			66	6	8			44	4	4			25	4	3																									
21	155	6	4			131	8	4			107	10	8			95	8	6				58	6	8			67	8	6			44	4	4			25	4	3																									
22	155	6	4			131	7	5			109	10	10			97	6	6				57	7	7			69	8	8			44	6	8			25	13	4																									
23	153	10	2			133	8	7			109	14	8			99	4	8				56	8	8			56	11	11			40	6	8			25	10	4																									

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>l</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power





# MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N Long. 140.5E

Month November 19 58

Hour (LST)	Frequency (Mc)											
	13 kc			51 kc			160 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>
00	150	6	2	130	6	4	105	11	5	72	13	5
01	152	3	2	130	5	3	106	10	5	83	11	5
02	152	3	2	130	6	4	107	10	7	72	11	4
03	152	2	2	130	4	4	105	11	5	72	13	4
04	150	6	2	128	8	2	102	10	3	80	13	3
05	152	2	4	128	4	5	102	3	11	74	12	4
06	150	2	2	118	8	5	83	16	8	75	10	5
07	148	2	4	112	15	5	77	25	6	70	12	3
08	148	6	2	114	16	4	83			72		
09	148			110			83	22	13	70	4	2
10	148	5	4	112	15	4	83	20	13	70	12	4
11	148	8	6	114	13	8	81	19	9	72	8	6
12	148	8	4	114	10	6	75	22	5	74	4	4
13	148	4	4	112	8	4	75	18	8	70	9	2
14	148	2	2	113	12	5	80	18	9	71	8	3
15	150	2	2	112	8	8	82	15	12	70	8	2
16	150	3	4	108	18	8	80	26	10	72	16	2
17	148	6	3	114	11	5	93	19	6	88	11	7
18	150	6	4	122	10	3	97	13	6	91	10	7
19	150	5	3	126	6	4	99	10	6	92	7	5
20	150	6	2	129	5	5	101	14	5	94	8	8
21	150	6	2	130	6	6	103	10	5	98	7	8
22	152	4	4	130	6	5	103	13	6	94	9	3
23	150	6	2	128	5	2	105	12	8	84	12	4

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>am</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

RT-11-10-10-10-10

RN-13



## MONTH-HOUR VALUES OF RADIO NOISE

Station  
Ohira, Japan

Lat. 35.6 N Long. 140.5 E

Long. 140.5 E

Month December 1958

58

Hour (LST)	Frequency (Mc)																																				
	13 kc				160 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc												
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm							
00	150	5	1	110	150	130	8	5	135	200	108	12	8	125	175	86	13	8	100	150	52	9	4	55	100	42	4	70	110	42	25	0	2	30	45		
01	152	2	2	115	160	130	10	4	135	200	106	12	5	130	190	83	12	4	105	165	50	14	4	80	125	42	6	50	110	42	25	0	2	30	40		
02	150	4	0	115	150	132	6	5	140	200	108	8	8	120	185	84	10	7	110	175	50	16	4	95	140	42	3	70	110	42	25	0	2	15	30		
03	152	2	3	135	175	132	3	7	145	210	106	8	6	135	210	82	7	5	120	195	48	15	4	95	145	51	11	5	65	100	40	3	5	40	65		
04	152	3	3	130	180	130	9	4	155	215	104	10	4	150	215	81	9	5	115	160	48	13	4	130	170	50	8	85	135	36	8	2	30	40			
05	152	3	4	135	180	128	10	4	155	220	102	10	6	150	200	78	9	8	120	170	46	13	4	90	140	69	7	7	75	140	38	5	2	50	70		
06	151	3	3	130	175	121	7	6	145	205	88	12	8	145	195	76	7	6	85	135	46	14	4	80	115	62	6	10	125	180	42	6	2	60	85		
07	148	2	3	135	175	114	6	7	150	205	82	12	10	180	225	72	5	2	100	150	38	8	2	90	120	48	5	8	85	130	41	3	3	45	60		
08	148	2	4	145	200	106	14	2	195	130	75																										
09	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
10	148	3	4	160	205	110	12	5	175	230	78	16	5	115	130	70	4	4	105	130	32	2	2	50	75	28	7	3	70	95	32	8	2	70	100		
11	148	4	4	170	220	112	8	6	170	240	78	16	6	150	180	70	10	2	90	130	32	3	3	55	80	28	4	2	65	85	32	4	4	75	95		
12	148	4	4	160	210	112	6	6	165	215	76	12	6	120	130	72	6	4	90	145	32	4	2	75	105	28	4	4	80	100	30	4	2	70	85		
13	149	3	5	140	195	114	6	6	130	175	76	12	8	90	105	72	6	6	75	100	32	2	2	65	85	30	4	4	65	95	34	2	6	55	75		
14	152	2	8	135	175	116	6	12	120	160	76	13	7	95	105	70	15	4	90	125	34	4	2	65	95	34	10	6	70	105	38	5	5	70	85		
15	150	4	4	120	165	110	12	8	130	175	80	14	8	110	165	72	4	4	90	135	34	7	4	70	90	48	10	8	80	135	44	2	4	50	80		
16	150	2	4	105	155	112	14	12	140	180	86	18	9	170	195	76	10	6	105	155	40	6	2	85	115	64	6	6	65	105	46	6	4	50	80		
17	150	2	4	115	165	118	10	8	145	195	92	16	8	130	165	86	10	8	85	135	44	13	4	75	100	71	5	7	75	130	48	4	4	55	80		
18	151	3	5	120	175	122	8	4	135	180	96	14	8	145	200	92	4	10	95	145	48	14	6	75	100	66	6	8	70	105	47	5	3	50	70		
19	152	2	4	130	180	126	6	6	125	160	98	14	6	120	165	92	10	10	75	175	52	10	6	70	105	72	6	10	90	150	47	3	3	45	65		
20	152	3	4	120	175	130	2	6	130	180	102	10	8	110	170	90	14	6	100	155	52	16	6	55	85	72	6	6	95	145	46	2	2	45	70		
21	152	2	4	115	160	128	12	4	115	175	104	11	8	125	180	96	8	8	80	125	52	6	4	75	105	74	6	8	85	150	44	4	2	50	75		
22	150	6	2	110	160	128	11	2	120	175	104	15	8	120	175	94	10	6	105	170	52	14	4	85	110	74	7	8	75	120	46	4	2	50	80		
23	152	4	2	115	155	130	6	5	140	195	105	13	5	115	175	86	9	7	90	135	54	12	6	85	120	75	115	44	2	2	50	75	25	2	2	15	30

$F_{am}$  = median value of effective antenna noise in db above ktb

$D_u$  = ratio of upper decile to median in db

$D_g$  = ratio of median to lower decile in db

$V_{dm}$  = median deviation of average voltage in db below mean power

$L_{dm}$  = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N Long. 140.5E

Month January 19 59

Hour (LST)	Frequency																																								
	13 kc				51 kc				160 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc												
	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>									
	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>av</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>									
00	153	2	2	105	150	130	4	5	115	175	105	10	5	100	160	82	10	3	90	150	52	8	5	55	90	50	7	4	50	85	48	12	5	40	70	24	5	0	10	25	
01	153	4	2	105	150	132	3	6	110	170	105	6	6	95	160	82	8	5	110	165	49	9	2	50	90	50	6	5	60	90	48	12	4	40	60	24	11	0	10	25	
02	153	2	2	105	155	130	4	4	120	175	107	4	6	120	180	82	6	6	110	170	49	8	4	60	95	50	4	5	50	85	43	13	5	40	80	24	0	0	10	25	
03	153	2	2	115	170	130	5	6	120	180	104	7	5	120	170	80	8	6	95	145	49	5	4	70	105	48	9	4	60	85	40	14	4	30	55	24	0	0	05	25	
04	153	4	2	115	170	128	6	3	125	195	101	6	4	105	190	78	5	2	70	130	49	8	5	75	110	50	5	6	60	90	36	8	2	25	45	24	2	0	15	25	
05	153	2	4	130	180	128	5	4	135	195	100	5	7	120	200	76	9	4	80	125	47	9	4	90	130	68	8	8	55	135	40	4	6	45	70	24	2	0	15	35	
06	153	2	4	120	175	120	7	3	145	190	89	13	4	150	205	80	10	4	85	140	45	9	4	60	90	66	3	10	80	150	40	8	4	40	65	24	2	0	20	40	
07	149	4	2	120	170	114	7	6	130	185	81	21	10	105	110	72	7	3	75	120	39	5	2	75	110	42	10	5	60	100	42	5	4	40	60	24	4	2	35	45	
08	149	3	3	120	180	106	9	5	140	195	82			85	120	70	6	2	90	130	33	2	2	65	100	43	5	6	80	115	38			70	85	26			30	45	
09	149			130	190	108			140	200	75			70	115	74	8	4	70	130	33			55	120	27			75	105	36			60	90	24			20	40	
10	149	2	2	145	205	108	16	3	145	205	77	24	7	125	110	72	10	6	90	140	31	4	4	55	75	28	2	4	80	110	32	9	4	65	70	24	6	2	25	40	
11	149	4	6	150	200	110	10	6	155	220	73	18	5	110	120	70	6	2	65	110	31	4	2	45	70	28	4	4	60	80	32	9	6	50	65	24	2	4	30	40	
12	147	4	3	150	210	112	5	7	150	215	76	17	5	50	80	74	7	3	85	130	33	4	4	70	100	28	5	5	60	90	28	8	4	40	60	24	6	0	20	35	
13	149	2	5	145	210	112	8	6	135	200	71	16	2	90	105	72	7	2	80	135	33	5	4	50	75	28	6	3	70	90	30	4	5	35	50	24	4	0	20	40	
14	149	2	4	135	200	110	9	7	130	190	75	18	6	60	100	72	6	4	75	120	33	5	2	55	85	28	5	3	55	75	36	6	6	70	90	24	4	2	25	50	
15	149	4	3	130	190	108	12	6	135	180	75	30	6	80	110	74	4	6	80	140	33	4	4	55	85	36	8	7	50	80	43	3	5	50	65	26	6	2	25	40	
16	151	2	4	110	160	106	23	4	120	185	81	23	4	140	150	74	9	4	100	150	39	8	4	85	115	54	7	9	60	115	46	6	4	40	80	28	7	2	20	45	
17	149	4	2	110	165	114	14	5	135	195	90	19	5	120	185	86	9	10	110	180	43	10	4	90	120	66	7	7	80	145	51	7	5	40	65	28	9	2	30	45	
18	153	1	4	110	165	122	4	5	115	175	95	14	6	110	160	88	9	8	90	150	47	12	4	80	105	62	10	5	75	120	54	6	8	40	75	28	9	2	20	40	
19	153	2	2	110	170	126	4	4	100	160	97	11	13	85	145	86	6	6	85	105	49	12	4	70	100	70	4	10	80	130	52	9	7	30	60	26	9	2	10	30	
20	153	2	4	110	165	128	5	4	90	140	99	12	6	90	145	94	8	12	85	135	51	8	4	50	85	70	6	8	85	155	52	8	6	45	70	24	4	0	10	30	
21	153	3	2	110	165	128	6	3	105	150	101	10	4	90	145	96	10	11	90	140	51	10	4	70	115	70	8	4	85	145	52	8	7	35	60	24	3	0	10	25	
22	153	2	2	100	150	130	4	5	100	155	105	8	8	105	150	96	8	9	90	150	57	11	4	85	125	74	6	10	85	120	58	7	5	30	65	24	5	0	10	30	
23	153	2	2	110	155	130	4	4	110	170	105	6	6	100	160	84	10	4	90	135	57	10	4	85	125	56	20	8	75	120	60	9			30	70	24	7	0	15	30

F<sub>av</sub> = median value of effective antenna noise in db above ktb

D<sub>f</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6 N Long. 140.5 E

Month February 19 59

Hour (LST)	Frequency											
	13 kc				51 kc				160 kc			
	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	153	5	2	10.5	130	6	5	11.0	105	11	7	9.0
01	153	4	2	11.0	130	5	5	11.0	102	10	4	10.0
02	153	6	2	11.5	130	5	4	10.5	102	11	4	9.5
03	154	5	3	11.5	130	6	4	12.0	102	8	4	11.0
04	155	3	4	11.5	130	5	4	11.5	102	9	5	9.0
05	155	5	4	11.0	130	4	7	11.0	102	8	8	10.0
06	153	5	2	11.5	130	4	4	13.0	90	14	12	12.5
07	149	6	2	11.5	180	114	13	5	12.0	190	77	21
08	149	5	4	11.5	190	106	16	2	12.5	155	73	20
09	149			13.0	200	103			14.5	200	72	
10	149			13.0	195	112			14.0	210	74	24
11	149	4	4	13.5	205	110	10	7	14.5	225	74	21
12	149	4	7	14.0	205	111	9	4	13.5	200	72	20
13	149	4	4	13.5	210	114	6	6	12.0	180	74	16
14	151	3	6	12.0	190	112	10	8	10.0	180	76	14
15	151	4	2	10.0	170	111	11	5	10.0	150	72	18
16	153	2	6	10.0	165	108	10	6	9.5	150	75	19
17	151	4	4	9.5	150	110	18	8	11.5	150	82	18
18	151	6	2	9.5	150	118	14	4	10.0	170	94	13
19	153	6	2	9.0	150	126	6	6	8.0	150	94	17
20	155	4	4	10.0	160	128	6	6	9.0	150	98	11
21	155	4	4	10.0	160	130	4	4	9.0	160	100	12
22	153	6	2	11.0	160	128	7	4	10.5	170	101	14
23	153	6	2	10.5	160	129	5	3	10.0	175	102	12

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>g</sub> = ratio of upper decile to median in db

V<sub>dm</sub> = ratio of median to lower decile in db

L<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# RADIO NOISE DATA

Station PRETORIA, S.AFRICA Lat. 25.8S Long. 28.3E Type Recorder ARN-2 Month FEBRUARY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc *																								
F <sub>am</sub>	130	132	130	129	128	124	118	118	114		104	118	122	138	148	151	148	147	145	138	135	136	132	132
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc *																								
F <sub>am</sub>	117	116	115	110	109	99	93	85	89		75	91	101	123	135	135	136	132	135	131	125	119	115	116
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc *																								
F <sub>am</sub>	104	104	104	102	98	96	75	74	74		74	74	82	108	124	123	125	122	122	116	104	105	102	104
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc *																								
F <sub>am</sub>	63	61	60	62	63	63	45	39	38		34	38	40	60	70	72	82	80	78	76	70	70	69	64
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc *																								
F <sub>am</sub>	52	52	54	54	54	54	44	31	26		26	26	26	45	54	64	65	58	65	62	57	55	56	53
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc *																								
F <sub>am</sub>	42	42	40	40	41	41	40	31	24		22	16	16	32	38	40	48	53	51	48	44	43	43	45
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc *																								
F <sub>am</sub>	27	27	27	25	25	26	28	26	26	27	21	23	25	25	31	33	53	39	37	34	31	30	29	29
D <sub>u</sub>																								
D <sub>ℓ</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station PRETORIA, S.AFRICA Lat. 25.8S Long. 28.3E Type Recorder ARN-2 Month MARCH 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
F <sub>am</sub>	132	134	133	132	132	130	124	118	116	*118	118	122	125	134	138	138	140	140	139	138	140	138	137	134
D <sub>u</sub>	10	8	5	6	4	4	8	12	13		18	14	17	8	10	10	10	11	11	12	7	10	9	10
D <sub>l</sub>	6	8	7	4	6	6	6	10	11		12	14	9	14	12	10	10	14	16	11	9	6	7	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc																								
F <sub>am</sub>	118	117	117	115	115	111	102	95	86	*98	93	97	105	117	121	124	125	125	123	125	125	122	121	119
D <sub>u</sub>	13	10	6	10	8	8	14	18	24		26	31	22	10	17	11	13	13	14	11	8	11	10	14
D <sub>l</sub>	9	8	8	6	8	4	10	18	13		13	15	16	24	22	30	15	18	16	16	12	9	8	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc																								
F <sub>am</sub>	106	106	104	102	100	98	80	78	76	76	76	76	90	102	102	108	108	108	107	108	108	108	106	106
D <sub>u</sub>	12	8	7	12	10	6	14	12	16	17	28	35	31	15	18	14	14	16	17	14	10	14	16	14
D <sub>l</sub>	8	8	6	6	8	8	4	4	1	7	2	4	18	28	26	29	26	26	21	16	10	10	8	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	69	68	66	66	66	66	48	41	40	*38	40	42	42	47	53	54	57	60	62	71	73	74	72	70
D <sub>u</sub>	9	8	8	10	8	10	19	10	5		14	18	21	34	22	18	17	18	18	5	5	4	6	6
D <sub>l</sub>	11	10	9	6	8	10	11	5	4		2	4	2	9	13	14	19	22	6	13	10	14	12	12
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	58	58	56	56	58	55	52	38	26	*26	28	28	28	36	32	41	48	52	56	60	62	60	60	58
D <sub>u</sub>	7	9	10	10	7	8	6	8	10		13	8	22	16	18	11	12	8	6	4	4	6	6	4
D <sub>l</sub>	9	10	7	6	9	5	14	12	2		4	4	2	10	6	15	18	20	14	10	10	8	8	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	49	50	48	46	46	44	46	40	33	*22	22	22	24	36	36	42	46	48	52	52	52	50	50	50
D <sub>u</sub>	7	3	3	4	2	7	6	6	9		17	17	20	11	11	6	4	6	2	4	4	4	2	4
D <sub>l</sub>	5	6	6	4	6	6	3	6	6		4	7	6	25	16	16	12	8	6	6	8	4	6	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	29	29	29	29	29	29	31	29	27	25	25	25	25	27	29	33	35	35	35	35	33	31	31	30
D <sub>u</sub>	4	2	3	5	2	2	4	4	2	10	6	9	8	17	4	5	2	4	2	2	4	6	4	3
D <sub>l</sub>	2	6	5	4	7	4	6	2	2	2	6	6	6	4	4	6	4	4	4	4	4	2	2	3
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station PRETORIA, S.AFRICA Lat. 25.8S Long. 28.3E Type Recorder ARN-2 Month APRIL 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
F <sub>am</sub>	132	133	132	134	132	130	127	124	*126	*124	*122	122	120	128	126	130	131	128	130	132	132	132	132	132
D <sub>u</sub>	10	9	4	14	7	5	5	9				12	11	9	13	15	16	19	17	14	4	14	4	9
D <sub>l</sub>	6	7	5	9	6	8	9	12				10	6	8	5	6	8	8	8	7	6	4	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc																								
F <sub>am</sub>	115	118	116	116	117	114	108	106	101	*107	*107	*97	100	104	98	110	116	112	112	116	117	116	118	116
D <sub>u</sub>	17	9	15	15	10	11	22	12	16				30	18	41	27	26	27	22	13	9	16	11	9
D <sub>l</sub>	7	10	8	10	10	10	15	22	18				14	17	16	20	28	24	17	13	12	10	9	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc																								
F <sub>am</sub>	104	104	106	106	104	100	86	84	*82	*80	*79	75	78	82	84	89	99	96	101	100	100	106	106	103
D <sub>u</sub>	17	15	12	9	10	9	14	16				16	25	31	40	31	11	11	17	13	15	13	11	14
D <sub>l</sub>	10	8	10	13	11	13	9	7				1	5	8	12	16	26	21	15	7	3	8	7	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	*93	91	*93	*91	*90	87	67	61	61	*61	*60	61	59	63	70	71	77	79	86	89	89	93	91	*89
D <sub>u</sub>		16				16	16	12	20			32	27	33	35	33	27	12	14	16	23	16	18	
D <sub>l</sub>		4				8	12	3	4			4	3	8	13	14	20	20	5	4	0	6	4	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	67	67	67	67	65	65	51	41	39	*43	*39	39	40	46	43	51	56	55	67	69	69	68	69	68
D <sub>u</sub>	10	10	9	9	10	9	27	42	37			27	26	21	29	24	16	30	12	10	14	11	9	10
D <sub>l</sub>	8	10	10	12	8	12	14	6	4			4	5	11	8	16	21	14	14	14	12	11	9	11
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	56	60	57	58	55	55	55	42	37	*42	*27	24	27	31	31	37	44	53	60	61	61	57	59	60
D <sub>u</sub>	12	9	9	9	11	12	12	17	16			40	27	25	32	26	21	17	12	12	12	19	11	11
D <sub>l</sub>	12	14	10	12	7	9	14	15	16			5	8	11	12	16	23	20	19	18	19	13	16	14
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	42	42	40	40	40	38	42	38	*30	*31	28	25	25	29	34	38	43	46	46	48	45	44	44	42
D <sub>u</sub>	1	5	3	2	2	6	4	6			4	8	11	12	10	8	7	6	8	6	9	10	7	4
D <sub>l</sub>	4	5	3	2	4	8	5	6			8	6	7	10	16	14	11	6	11	13	7	8	4	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	30	28	28	26	28	28	28	28	28	*30	24	24	25	26	30	32	34	34	34	33	32	32	31	30
D <sub>u</sub>	2	2	2	4	2	2	3	5	7		8	6	5	4	4	6	7	6	5	5	6	4	4	2
D <sub>l</sub>	4	2	2	0	3	3	2	4	4		6	3	5	2	4	4	4	2	2	3	4	4	4	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								



## RADIO NOISE DATA

Station PRETORIA, S. AFRICA Lat. 25.8 S Long. 28.3 E Type Recorder ARN-2 Month MAY 1958

		L S T																							
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
		51 ko																							
F <sub>om</sub>	130	129	130	128	128	128	125	122	118	112	110	108	114	116	118	119	118	117	123	125	127	130	130	130	130
D <sub>u</sub>	>2	>3	>2	>4	>4	>4	>7	>10	13	20	18	18	16	14	11	12	14	>14	>8	>7	>5	>2	>2	>2	>2
D <sub>l</sub>	11	12	11	10	10	10	9	13	14	14	10	9	14	10	10	8	6	8	15	13	11	12	12	10	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		113 ko																							
F <sub>om</sub>	113	116	116	113	114	110	100	99	98	97	90	88	86	90	96	100	103	101	104	109	110	114	114	116	116
D <sub>u</sub>	10	7	8	12	>10	12	22	20	15	23	24	26	26	23	18	14	13	15	15	13	12	10	7	6	
D <sub>l</sub>	10	12	15	12	14	10	9	19	18	17	10	8	6	10	16	17	22	21	20	15	11	14	12	14	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		246 ko																							
F <sub>om</sub>	105	104	103	103	98	101	79	77	77	79	77	77	77	79	80	80	84	83	93	97	97	99	103	103	103
D <sub>u</sub>	>2	>3	>6	>6	>11	>6	19	21	18	19	16	15	15	12	13	17	18	18	12	10	11	>8	>4	>4	>4
D <sub>l</sub>	18	16	15	16	12	12	4	2	2	4	4	4	3	4	5	5	6	10	13	11	10	8	16	14	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		545 ko																							
F <sub>om</sub>	>89	>89	>89	>89	89	87	61	63	61	61	61	59	59	61	61	61	61	77	85	89	>89	>89	>89	>89	>89
D <sub>u</sub>					>0	>2	16	10	9	10	6	8	6	12	17	17	21	>12	>4	>0					
D <sub>l</sub>	>5	>5	>7	>7	12	11	2	6	2	3	2	0	1	2	2	2	2	18	10	11	>7	>8	>6	>7	>7
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		2.5 Mc																							
F <sub>om</sub>	60	65	66	64	62	60	59	46	40	40	40	38	40	40	38	40	41	42	54	64	65	66	66	66	66
D <sub>u</sub>	7	10	8	12	12	13	17	16	11	2	2	4	2	2	6	6	9	16	14	7	8	9	10	9	9
D <sub>l</sub>	11	9	10	8	7	6	8	6	2	4	2	2	4	4	2	4	4	2	9	15	12	12	12	11	
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		5 Mc																							
F <sub>om</sub>	55	55	53	55	55	51	50	40	29	29	23	23	22	23	26	29	36	42	50	54	54	55	55	55	55
D <sub>u</sub>	8	6	8	6	7	13	14	17	17	16	12	14	13	14	13	18	15	21	12	9	9	9	9	9	9
D <sub>l</sub>	10	9	8	9	10	6	7	6	4	8	2	2	2	4	5	8	14	11	12	12	10	12	10	10	10
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		10 Mc																							
F <sub>om</sub>	36	36	36	36	33	33	37	37	34	23	22	22	24	28	30	31	36	40	42	42	44	41	38	36	36
D <sub>u</sub>	4	4	5	3	5	5	5	2	10	21	12	16	16	13	12	12	10	9	8	8	5	5	8	7	7
D <sub>l</sub>	4	4	4	4	3	3	3	7	10	6	5	6	8	8	11	8	6	6	6	6	7	5	2	2	2
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		20 ko																							
F <sub>om</sub>	28	28	28	28	28	28	28	28	28	26	21	22	24	26	28	28	30	30	31	30	29	28	28	28	28
D <sub>u</sub>	2	2	2	2	2	2	4	9	6	6	6	4	9	10	8	8	6	8	4	5	3	4	4	2	2
D <sub>l</sub>	2	2	2	2	2	2	0	2	6	6	2	4	6	6	5	4	4	2	3	2	3	2	2	2	2
V <sub>dm</sub>																									
L <sub>dm</sub>																									

# RADIO NOISE DATA

Station PRETORIA, S. AFRICA Lat. 25.8 S Long. 28.3 E Type Recorder ARN-2 Month JUNE 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 ko																							
Fam	120	124	124	124	125	123	120	114	110	*110	105	106	110	114	114	114	114	112	113	120	122	122	122	122
Du	10	6	8	6	10	9	6	11	12		12	12	8	6	6	6	8	11	13	8	6	8	8	8
Dl	2	4	4	4	4	3	4	6	8		6	4	6	8	7	6	6	6	7	6	6	4	4	4
Vdm																								
Ldm																								
	113 ko																							
Fam	106	106	106	108	106	106	102	89	*90	*90	89	84	89	87	85	90	*87	90	92	100	102	104	104	106
Du	10	10	10	8	10	8	4	9			9	20	12	17	17	12		20	20	15	11	8	10	10
Dl	6	6	6	8	6	4	13	9			9	4	9	7	5	10		10	6	6	4	6	4	8
Vdm																								
Ldm																								
	246 ko																							
Fam	92	94	94	93	95	93	80	75	75	77	75	75	75	75	75	75	75	79	81	87	89	89	90	91
Du	13	11	11	10	8	6	11	8	8	9	10	12	13	13	12	12	14	8	15	9	9	12	13	14
Dl	9	11	9	8	10	6	5	2	0	4	2	2	0	1	2	2	2	6	8	8	8	6	9	8
Vdm																								
Ldm																								
	545 ko																							
Fam	89	88	88	86	84	81	60	60	*60	60	60	60	60	60	60	60	60	62	72	78	80	82	84	84
Du	9	6	6	6	8	5	12	6		9	6	6	4	2	5	4	4	6	10	14	13	14	13	12
Dl	11	8	10	10	8	7	2	2		2	2	2	2	2	2	2	2	4	8	6	8	6	6	4
Vdm																								
Ldm																								
	2.5 Mo																							
Fam	60	60	60	60	58	58	54	44	42	*42	40	40	40	40	40	40	42	44	50	54	56	58	60	60
Du	9	8	10	6	7	7	9	6	2		4	4	4	4	3	3	6	7	10	11	10	10	8	9
Dl	6	7	6	6	5	7	10	4	2		2	2	2	2	1	2	2	4	6	4	4	5	6	6
Vdm																								
Ldm																								
	5 Mo																							
Fam	48	48	48	50	48	48	50	42	36	28	28	28	26	26	28	30	32	38	46	48	48	46	48	48
Du	9	9	9	8	7	8	6	4	4	8	6	6	10	8	7	5	6	13	8	7	6	10	6	8
Dl	3	3	4	5	6	4	7	6	10	4	6	6	4	4	5	8	7	6	4	4	5	2	4	3
Vdm																								
Ldm																								
	10 Mo																							
Fam	33	33	33	33	32	31	33	35	27	23	23	21	21	23	25	27	35	39	40	39	39	37	37	37
Du	7	4	4	3	4	4	8	6	3	9	10	8	8	10	9	9	5	6	4	5	5	4	5	3
Dl	2	2	2	4	3	2	4	5	2	4	4	4	4	4	7	5	4	4	3	2	3	2	2	4
Vdm																								
Ldm																								
	20 Mo																							
Fam	28	26	28	28	28	28	28	26	24	22	22	22	22	22	24	26	28	30	28	28	28	26	28	28
Du	0	2	0	0	2	2	2	5	6	6	4	2	2	6	5	5	5	2	3	2	1	3	0	0
Dl	2	0	2	2	2	2	2	2	4	1	4	2	2	0	2	2	2	3	0	2	3	1	2	2
Vdm																								
Ldm																								

# MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa

Lat. 25.8 S Long. 28.3 E

Month July 19 58

Hour (LST)	Frequency (Mc)											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>
00	122 14 3	105 14 6		93 14 8	85 14 4		60 3 13	46 10 4		32		
01	122 14 4	107 14 11		93 16 8	85 16 4		59 6 10	46 10 2		32 6		
02	122 16 4	107 15 9		94 15 9	85 18 6		59 6 10	46 10 4		30 6		
03	124 13 6	107 17 8		94 17 9	85 16 4		59 6 12	48 8 6		30 8		
04	124 14 6	107 16 6		94 17 9	83 12 8		57 11 10	48 8 4		30 6		
05	124 14 4	105 18 6		94 15 9	79 22 8		57	46 6 4		30 4		
06	120 14 4	99 24 10		89 12 8	63 18 8		49	44		34		
07	114 18 4	80 32 9		84 9 19	59 7 4		41 10 11	40 10 10		36 8		
08	108 24 6	81 32 12		84 8 19	61 7 6		37	28		30		
09	104	79		85	60		38	30		24		
10	106 20 8	77 37 8		85 7 17	57 10 2		35	21		22		
11	106 21 8	76 35 5		84 8 20	59 8 4		37	23		21		
12	112 11 10	80 32 10		86 9 7	57 12 1		37	24		22		
13	114 11 10	77 35 6		85 6 11	59 9 3		39	24		24		
14	113 14 5	77 32 6		83 11 6	59 7 4		42	24		23		
15	113 14 5	79 30 8		83 7 9	59 5 5		39	24		28		
16	114 14 8	79 26 10		85 6 4	59 6 4		39	24		36		
17	114 15 8	78 31 9		85 6 11	62 21 7		43 12 11	40 14 14		40 4		
18	114 14 8	97 12 16		86 11 9	77 14 10		49	50		39		
19	118 14 7	102 12 13		89 12 14	79 16 8		54	50		38		
20	120 16 6	101 15 8		87 16 12	81 18 4		55 4 10	48		38		
21	122 10 6	103 14 10		91 14 10	79 16 2		57	48 4 6		34 6		
22	122 12 6	105 12 9		91 14 8	84 15 5		59 8 10	48 4 4		36 2 6		
23	122 18 4	105 8 10		91 12 6	83 16 2		59 6 10	47		34		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Afr.

Lat. 25.8 S Long. 28.3 E

Month August 19 58

ST	Frequency (Mc)											
	.051				.113				.246			
	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	122 8	10			101 12	12			97 8	8		
01	122 6	9			101 6	8			99 8	10		
02	120 8	9			101 8	9			99 6	8		
03	120 6	6			101 6	8			99 4	10		
04	118 8	8			101 4	8			99 4	8		
05	118 8	10			97 10	8			99 6	8		
06	118 6	9			89 12	12			93 4	12		
07	112 8	10			77 21	6			87 10	6		
08	110 10	10			73 16	4			91 8	8		
09	*107				*70				*93			
10	106 7	6			75 18	6			90 8	13		
11	106 17	9			73 25	2			91 6	11		
12	110 16	8			75 22	6			91 6	11		
13	112 11	4			77 20	6			91 6	12		
14	116 9	8			79 14	6			91 6	12		
15	118 6	8			79 16	8			93 2	14		
16	118 8	7			79 18	8			93 2	13		
17	118 7	5			79 20	6			89 6	10		
18	120 6	7			89 16	10			90 5	11		
19	121 3	5			93 12	8			90 10	9		
20	122 7	6			98 10	8			93 11	6		
21	122 6	7			99 10	5			95 11	6		
22	121 7	6			101 10	6			97 8	8		
23	122 8	10			101 10	9			97 8	8		

F<sub>m</sub> = median value of effective antenna noise in db above ktb  
D<sub>g</sub> = ratio of upper decile to median in db  
V<sub>dm</sub> = ratio of median to lower decile in db  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month October 19 58

Hour (IST)	Frequency																																						
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc										
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>				
00	134	10	8			118	16	10			104	16	6			94	10	8				63	10	7				56	11	5			44	4	4		27	2	2
01	134	8	10			118	10	12			102	12	6			94	8	8				*61						54	10	6			42	4	2		*25		
02	134	8	8			115	9	11			102	10	14			92	6	8				59	8	2				54	8	4			*44				*25		
03	132	6	8			115	7	11			98	10	4			90	6	8				*59						*56					*42				*23		
04	130	10	6			112	10	8			98	6	8			87	7	7				59	4	2				*52					*41				*26		
05	128	8	6			108	10	10			88	6	14			65	13	7				57	6	6				*52					42	2	2		*25		
06	122	12	6			93	27	13			72	24	10			58	18	2				*47						40					*38				*27		
07	118	14	6			94	24	18			75	19	13			60	18	4				*45						*34					*30				*25		
08	116	16	6			90	28	16			70	24	6			60	11	2				*51						*30					*23				*23		
09	*116					*91					*78					*58						*50						*30					*34				*23		
10	114	16	9			90	25	14			69	20	8			58	9	2				48	3	5				30	8	2			*34				*23		
11	117	17	8			90	18	12			72	16	10			60	16	4				47	4	4				*30					*20				*27		
12	120	14	12			96	20	16			79	27	15			62	26	6				49	3	6				28	11	2			22	9	4		*23		
13	124	16	11			108	18	22			92	20	28			76	22	18				47	4	4				29	12	3			26	10	8		26	9	3
14	132	10	18			118	10	32			102	14	38			83	21	25				49	12	6				36	20	10			38	4	18		*28		
15	136	12	14			122	14	34			106	20	40			86	28	28				47	21	4				40	26	12			40	15	16		30	9	3
16	139	13	13			124	14	29			106	14	34			88	17	30				50	21	7				45	21	17			42	12	10		*33		
17	136	12	18			124	14	28			105	13	33			87	21	29				51	27	8				49	26	15			46	4	7		33	4	2
18	138	10	18			123	11	27			100	16	18			88	14	12				59	12	12				56	8	10			48	5	5		33	2	2
19	134	16	12			124	10	20			105	11	15			92	14	12				69	8	10				58	10	14			48	4	4		*31		
20	136	16	8			122	16	14			106	18	14			96	16	10				68	7	7				60	8	9			48	7	4		33	10	4
21	138	12	10			124	16	16			107	21	15			98	18	12				68	9	9				60	10	10			47	7	5		*31		
22	137	19	11			122	27	16			110	12	14			97	9	11				69	14	8				*60					45	7	5		31	2	4
23	138	8	12			122	12	14			106	14	8			94	14	8				*65						59	10	7			*47				*29		

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>f</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power





# MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa

Lat. 25.8 S Long. 28.3 E

Month December 19 58

Hour (LST)	Frequency																																															
	51 kc						113 kc						246 kc						545 kc						2.5 Mc						5 Mc						10 Mc						20 Mc					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>								
00	135	8	13			117	13	15			92	20	8			83	14	8				56	2	32			45	2	4			26	8	2														
01	134	11	13			116	14	14			96	12	12			81	14	6				56	4	4			44	3	5			25	3	1														
02	133	10	12			117	13	15			96	19	10			85	6	14				56	4	4			43	4	4			24	4	2														
03	133	10	12			115	13	11			95	9	9			81	12	10				56	4	6			41	4	2			24	2	2														
04	132	9	13			115	9	13			94	10	14			77	10	10				54	4	4			40	3	3			24	2	2														
05	127	10	16			106	14	14			78	18	14			51	26	6				50	6	10			41	2	4			24	2	2														
06	123	10	12			98	20	16			68	24	12			49	24	4				36	10	9			37	6	4			26	2	2														
07	121	12	14			96	20	16			68	24	12			47	26	2				30	8	6			30	9	3			24	2	2														
08	123	6	18			94	15	21			68	22	12			47	22	2				28	6	4			24	10	3			24	0	2														
09	122					94	26	16			66	27	10			47	29	2				27	3	3			23	8	5			22	3	0														
10	125	17	13			101	22	22			68	34	12			49	38	4				26	17	3			27	9	8			22	4	0														
11	126	19	11			108	26	14			84	26	20			66	33	21				27	25	3			29	6	6			24	2	2														
12	135	14	14			119	17	21			96	18	28			81	18	36				30	22	6			33	4	12			24	4	2														
13	137	12	10			120	16	16			98	14	26			83	16	34				32	26	8			35	8	12			26	8	2														
14	139	12	10			126	10	18			102	16	26			86	19	33				41	21	15			39	16	14			28	10	4														
15	140	13	9			124	20	16			104	18	32			85	34	32				46	26	14			43	14	14			30	20	4														
16	141	14	12			121	15	11			97	25	25			85	24	32				46	21	16			43	18	6			30	17	2														
17	139	10	10			121	16	10			100	18	30			81	24	26				52	15	13			47	8	4			30	12	2														
18	137	18	10			118	14	10			94	14	24			76	17	17				56	10	8			49	2	4			30	2	2														
19	137	6	10			118	16	10			95	11	13			76	13	5				60	4	4			49	2	4			30	3	2														
20	137	8	7			120	5	10			96	10	10			83	12	10				60	4	4			47	4	4			30	2	2														
21	137	8	9			120	4	10			94	12	8			83	16	6				60	4	4			45	4	2			30	4	2														
22	135	6	8			114	12	6			94	14	8			83	16	4				58	12	2			45	4	4			28	2	4														
23	137	8	13			117	9	15			94	18	8			85	18	8				57	5	3			45	6	4			28	2	4														

F<sub>am</sub> = median value of effective antenna noise in db above k1b

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>f</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power









## RADIO NOISE DATA

Lat. 34 N

Lat. 34 N

Long. 6.8W

Type Recorder ARN-2

Month MARCH

19 58

L S T

L S T

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
Fam	125	125	126	127	127	127	125	118	113	111	*111	*113	115	115	115	117	115	115	113	121	123	123	125	125
Du	6	3	4	1	3	2	2	3	2	2			2	2	3	4	6	6	7	2	2	2	2	3
Dℓ	2	2	4	4	3	5	6	4	4	3			4	4	4	4	2	6	2	1	3	2	4	2
Vdm																								
Ldm																								
	113 kc																							
Fam	*116	*116	*116	*116	*116	*118	108	100	102	*100	*98	*104	*101	102	100	102	*100	*102	*102	*112	*116	*116	*116	*114
Du							2	4	4					4	4	6								
Dℓ							4	4	6					6	2	8								
Vdm																								
Ldm																								
	246 kc																							
Fam	97	97	96	96	95	94	92	92	92	*92	*94	*92	94	94	94	94	94	94	96	96	96	96	96	98
Du	3	3	4	4	3	4	5	5	5				4	4	3	4	4	4	2	2	2	3	3	2
Dℓ	4	5	5	4	3	4	6	8	6				6	4	3	2	4	4	6	5	4	5	4	4
Vdm																								
Ldm																								
	545 kc																							
Fam	81	82	81	81	79	77	64	59	57	*57	*57	*58	57	60	57	*57	*59	67	71	79	79	85	83	83
Du	6	3	2	3	6	5	6	19	23				6	24	22			5	10	7	5	2	5	5
Dℓ	2	2	4	4	3	6	3	5	4				6	6	4			9	7	5	4	8	5	2
Vdm																								
Ldm																								
	2.5 Mc																							
Fam	57	57	57	55	56	54	55	45	43	39	*40	*42	*39	37	39	41	*41	*43	47	57	59	57	57	57
Du	8	4	4	4	5	7	4	6	12	4				8	7	4			8	6	4	4	4	4
Dℓ	4	4	6	4	5	3	6	6	6	2				4	6	4			2	6	2	2	2	4
Vdm																								
Ldm																								
	5 Mc																							
Fam	56	56	56	56	56	56	54	42	30	*35	*25	*26	43	28	24	44	*36	*42	52	58	56	54	54	56
Du	6	6	6	4	6	4	4	4	6				7	14	16	6			4	6	4	6	4	6
Dℓ	4	4	6	5	4	4	2	4	4				18	5	4	2			6	8	6	4	4	4
Vdm																								
Ldm																								
	10 Mc																							
Fam	46	44	46	46	44	46	44	40	36	*30	*31	*42	38	30	32	*38	*42	48	54	50	48	50	48	48
Du	4	6	4	2	4	2	4	8	2				8	17	18			9	12	7	6	8	11	6
Dℓ	6	2	4	2	4	6	4	2	4				14	6	8			8	8	6	4	4	4	4
Vdm																								
Ldm																								
	20 Mc																							
Fam	28	26	26	24	26	26	28	32	32	*30	*28	*28	31	33	34	*36	*38	44	42	40	34	32	32	28
Du	6	6	4	8	4	4	2	12	14				11	16	12			12	18	18	10	9	5	8
Dℓ	4	2	2	0	2	2	4	6	6				7	5	4			10	10	8	6	6	6	4

# RADIO NOISE DATA

Station RABAT, MOROCCO Lat. 34 N Long. 6.8 W Type Recorder ARN-2 Month APRIL 19 58

Long Type Record																								
	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F <sub>am</sub>	130	130	130	130	130	128	120	120	112	114	114	118	118	118	120	124	120	122	116	124	130	130	130	130
D <sub>u</sub>	6	6	8	8	6	6	8	8	6	8	8	6	10	8	8	6	11	7	18	8	6	7	6	7
D <sub>l</sub>	4	5	4	4	4	6	2	6	6	4	2	8	2	4	4	6	6	10	8	6	6	6	6	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 kc																							
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 kc																							
F <sub>am</sub>	160	99	100	98	97	92	87	87	88	83	82	88	91	90	93	90	93	93	93	96	99	103	99	101
D <sub>u</sub>	9	11	16	13	8	12	15	17	12	20	19	9	9	12	9	12	12	15	15	11	11	5	14	10
D <sub>l</sub>	6	4	7	6	6	7	6	7	9	9	7	10	13	12	16	12	16	12	12	9	10	12	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc																							
F <sub>am</sub>	90	89	89	87	86	79	82	78	74	74	75	76	83	79	77	79	75	77	81	87	89	91	92	91
D <sub>u</sub>	7	6	6	6	7	8	13	19	17	11	10	15	12	12	14	14	17	20	16	12	10	8	7	4
D <sub>l</sub>	5	4	8	2	5	6	15	17	11	13	16	19	21	18	18	19	20	17	10	6	8	6	5	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc																							
F <sub>am</sub>	60	58	56	59	58	56	50	42	40	38	37	38	36	36	38	38	38	40	48	56	59	60	60	60
D <sub>u</sub>	4	12	9	4	9	10	6	11	12	6	5	10	6	6	12	12	13	8	8	8	11	8	6	8
D <sub>l</sub>	7	7	4	11	10	6	10	4	4	4	7	6	4	4	6	4	4	6	8	11	9	6	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	56	56	56	56	56	56	48	34	26	24	24	26	24	24	26	24	26	34	44	56	54	52	54	54
D <sub>u</sub>	4	7	8	5	4	4	4	20	14	12	4	7	10	11	14	19	19	10	8	4	6	6	5	8
D <sub>l</sub>	6	4	5	5	9	6	11	2	6	2	5	4	4	4	6	4	5	10	7	14	13	4	7	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>	44	46	46	46	44	44	42	40	33	38	37	28	28	26	28	34	38	40	46	50	48	48	47	48
D <sub>u</sub>	6	2	4	2	4	4	4	4	10	6	6	10	10	12	14	12	4	7	1	8	9	5	5	5
D <sub>l</sub>	2	3	4	5	3	6	4	6	6	20	15	9	8	10	10	14	11	8	6	8	7	7	7	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	32	30	31	34	26	26	36	34	36	38	36	32	34	35	34	41	42	39	40	40	38	34	35	33
D <sub>u</sub>	7	8	5	6	8	8	6	12	15	16	15	16	14	9	16	11	9	9	10	11	13	8	13	14
D <sub>l</sub>	10	5	6	9	2	4	11	8	8	10	11	8	10	11	10	13	10	8	12	9	10	6	7	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								



# RADIO NOISE DATA

Station RABAT, MOROCCO Lat. 33.9 N Long. 6.8 W Type Recorder ARN-2 Month MAY 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 ko																								
F <sub>am</sub>	125	125	127	127	127	125	119	112	108	111	111	115	117	119	121	123	123	122	121	118	125	125	125	125
D <sub>u</sub>	4	4	2	2	2	2	2	7	8	4	6	6	7	9	12	9	10	9	11	13	3	6	8	6
D <sub>l</sub>	2	2	2	3	3	2	4	3	4	7	8	9	9	6	5	9	6	5	7	5	7	4	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 ko																								
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 ko																								
F <sub>am</sub>	91	93	93	93	91	82	79	79	79	77	77	79	79	82	82	85	86	86	84	85	91	93	93	93
D <sub>u</sub>	6	3	5	6	7	11	8	9	9	9	12	13	19	26	10	22	20	18	24	19	10	10	9	5
D <sub>l</sub>	2	5	4	6	6	3	2	3	2	2	2	4	3	5	16	9	9	9	7	6	4	2	4	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
546 ko																								
F <sub>am</sub>	80	80	80	80	78	64	63	60	60	58	60	67	60	74	67	69	70	75	70	76	80	82	82	82
D <sub>u</sub>	6	6	4	6	5	13	19	18	12	21	20	14	28	17	26	23	25	18	29	14	7	8	6	5
D <sub>l</sub>	4	6	7	8	8	8	8	9	10	8	10	19	9	20	15	15	9	19	13	8	6	5	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	57	57	57	55	54	49	45	41	35	37	35	35	35	37	37	37	39	41	49	53	59	59	59	58
D <sub>u</sub>	5	5	4	4	5	8	10	10	10	5	10	5	10	13	14	15	18	12	4	6	8	8	8	7
D <sub>l</sub>	5	4	10	9	9	8	10	7	2	7	4	5	4	6	6	6	2	6	8	2	2	2	4	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	56	56	54	54	52	52	38	29	23	22	24	22	22	25	24	28	34	36	43	54	60	58	58	56
D <sub>u</sub>	3	6	6	5	5	6	5	10	11	16	7	13	15	11	10	13	12	14	13	6	2	4	4	4
D <sub>l</sub>	6	6	3	6	4	7	11	3	3	4	5	2	4	7	8	9	12	8	7	2	6	4	6	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	45	45	45	45	43	43	37	30	27	27	29	25	25	25	29	33	39	41	45	49	49	49	47	45
D <sub>u</sub>	5	4	4	4	4	3	5	6	14	9	8	10	12	16	9	9	8	8	8	8	6	4	10	4
D <sub>l</sub>	2	6	5	6	7	8	6	3	9	7	12	10	6	6	10	7	8	4	2	2	4	4	4	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	25	25	27	23	25	27	25	25	23	25	27	24	25	27	27	27	35	33	33	33	33	29	27	27
D <sub>u</sub>	7	14	3	7	6	7	13	12	14	20	16	9	13	8	8	8	7	14	10	14	14	12	8	6
D <sub>l</sub>	4	3	6	2	4	5	2	4	2	6	8	4	4	6	6	2	6	4	2	6	4	4	2	4
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station RABAT, MOROCCO Lat. 33.9 N Long. 6.8 W Type Recorder ARN-2 Month JUNE 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc *																							
F <sub>am</sub>	131	132	131	131	130	126	120	113	113	113	108	117	117	121	123	123	121	121	119	121	125	129	129	129
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 kc																							
F <sub>am</sub>																								
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 kc *																							
F <sub>am</sub>	99	99	98	97	95	81	80	82	80	81	73	79	77	79	79	80	81	81	80	84	96	99	102	98
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc *																							
F <sub>am</sub>	85	83	81	83	81	74	61	62	64	55	58	68	66	64	67	65	67	66	67	69	80	81	83	82
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc																							
F <sub>am</sub>	58	60	58	58	58	54	44	44	39	35	34	30	31	38	36	38	40	40	44	51	62	62	61	60
D <sub>u</sub>	8	6	6	6	4	4	12	8	15	9	12	18	16	6	16	14	16	16	16	11	4	9	9	10
D <sub>l</sub>	16	12	18	10	12	12	6	15	7	13	12	8	5	8	8	4	12	12	6	4	12	4	3	12
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	56	54	54	54	54	50	34	24	22	24	24	18	32	28	24	26	30	30	40	50	58	58	57	53
D <sub>u</sub>	4	6	8	6	4	4	6	13	12	11				11	17	18	14	22	14	10	6	6	5	7
D <sub>l</sub>	8	8	18	4	6	8	4	7	4	7				12	8	8	12	12	10	6	8	6	7	13
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>	47	45	43	43	41	41	37	31	25	23	17	19	24	23	31	37	35	39	45	49	49	51	49	45
D <sub>u</sub>	2	4	8	4	6	4	6	6	8	15	19	18	16	14	8	8	10	12	9	7	6	8	6	6
D <sub>l</sub>	10	8	13	6	2	6	11	8	14	8	7	6	11	8	12	10	17	10	10	5	4	6	6	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	24	24	24	23	22	22	22	24	22	22	22	20	22	22	26	26	27	29	30	30	28	26	26	24
D <sub>u</sub>	2	4	2	5	4	8	6	6	6	6	8	11	6	6	2	4	3	5	8	7	6	6	4	4
D <sub>l</sub>	4	4	4	3	2	2	2	4	4	4	4	4	2	6	8	4	3	3	4	4	6	4	4	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month October 19 58

Hour (LT)	Frequency (Mc)											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>
00	133						105			91		
01										62		
02	135						105			89		
03										63		
04	134						106			90		
05										60		
06	130						89			68		
07										44		
08	122						82			60		
09										37		
10	118						82			42		
11										41		
12	122						81			65		
13										58		
14	122						83			60		
15										90		
16	125						81			53		
17										65		
18	124						91			65		
19										92		
20	130						101			63		
21										59		
22	132						103			61		
23										59		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco

Lat. 33.9 N Long. 6.8 W

Month November 19 58

Hour (ST)	Frequency (Mc)											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>
00	130	4	4				84			56		
01	130						84			54	7	4
02	129	3	5				84			56		
03	130						84			56	5	8
04	128	6	2				84			52		
05	128						80			53	10	6
06	126						69			51		
07	121						74			43		
08	118						66			40		
09	116						60			37		
10	114						66			40		
11	115						68			46		
12	116						70			44		
13	120						72			46		
14	119						75			42		
15	120						76			41		
16	120	20	4				74			44		
17	122						83			50		
18	124	14	6				88			66		
19	128						88			57	16	8
20	128	10	6				90			60		
21	130						90			58	9	7
22	128	6	4				86			58		
23	128						90			58	3	5

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco

Lat. 33.9 N Long. 6.8 W

Month December 19 58

Hour (EST)	Frequency (Mc)																															
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>		
00	126	6	6			97	7	15			82	10	15			56	5	10				42	7	5			26	10	2			
01																																
02	126	8	6			95	7	13			82	9	16																			
03																																
04	126	10	4			93	9	13			78	14	12																			
05																																
06	126	8	4																													
07																																
08	116	14	7			78	18	4			59	23	9			50	14	11				42	4	5			30	7	3			
09																																
10	*110					*80					*58					39	14	6				26	12	4			30	11	4			
11																																
12	110	13	10			78	18	6			59	19	11																			
13																																
14	110	16	10			76	19	4			56	20	8			37	9	6				26					39	3	9			
15																																
16	110	20	10			78	28	6			66	12	11			37	14	5				30	14	8			41	7	7			
17																																
18	118	8	10			86	22	10			78	11	12			47	11	9				50	5	9			47	6	6			
19																																
20	122	8	6			94	8	6			84	8	14			53	12	10				57	7	7			43	6	4			
21																																
22	126	4	8			95	7	13			86	4	15			54	9	9				50	5	7			45	12	4			
23																																

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>L</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8 W

Month January 19 59

Hour (ST)	Frequency											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>
00	125	4	5				94	11	5	80	8	5
01										*83		
02	125	3	6				96	6	8	82	5	8
03										*82		
04	125	6	4				92	7	4	80	4	6
05										*79		
06	123	7	6				90	11	8	73	9	5
07										*70		
08	113	7	6				77	11	3	60	6	6
09										*60		
10	109	5	8				80	4	6	56	7	3
11										*65		
12	107	11	6				78	5	4	60	20	5
13										*62		
14	111	2	11				78	3	5	60	4	4
15										*61		
16	98	12	7				80	5	8	65	8	7
17										*78		
18	113	6	4				85	9	4	75	12	2
19										*72		
20	119	5	4				91	10	7	80	5	8
21										*84		
22	121	5	3				94	5	9	84	2	7
23										*87		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco

Lat. 33.9 N Long. 6.8 W

Month February 19 59

Hour (ST)	Frequency											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>
00	127	4	7				93	4	7	83	5	10
01	*27						95	6	6	82	4	6
02	*26						95	4	9	82	4	10
03	*28						95	5	6	82	7	3
04	127	6	8				93	4	10	80	6	8
05	*27						*92			80	5	6
06	124	5	6				85	6	7	74	8	4
07	*119						*78			70	12	4
08	111	6	9				77	15	4	68	12	8
09	*103						*77			*69		
10	*107						*75			*64		
11	*109						*77			*66		
12	111	3	6				80	4	5	70	15	6
13	*111						*77			66	8	4
14	*111						79	6	4	67	11	9
15	*111						*79			*63		
16	111	9	9				79	14	4	72	12	12
17	*111						81	20	6	76	14	10
18	111	11	8				81	11	2	76	13	5
19	119	4	4				87	6	8	*80		
20	121	5	6				87	8	6	83	6	6
21	*122						91	6	6	*84		
22	125	4	4				91	5	5	84	5	8
23	*125						*95			84	6	4

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>g</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# RADIO NOISE DATA

SAN JOSE dos CAMPOS  
 Station BRAZIL Lat. 23.3 S Long. 45.8 W Type Recorder ARN-2 Month MARCH 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc *																							
F <sub>am</sub>	142	142	143	143	144	144	133	133	134	132	133	132	133	132	138	139	141	140	142	142	138	136	140	140
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 kc *																							
F <sub>am</sub>	127	129	128	130	128	130	106	99	99	106	102	106	106	111	114	120	121	121	120	120	122	122	124	127
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 kc *																							
F <sub>am</sub>	114	114	113	114	112	112	81	80	82	82	80	89	84	87	89	92	98	97	100	104	108	112	112	113
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 kc *																							
F <sub>am</sub>	97	97	96	97	94	92	71	73	75	83	81	82	85	85	82	83	88	85	89	95	97	98	95	96
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc *																							
F <sub>am</sub>	64	64	63	64	65	62	56	47	44	41	38	37	34	42	38	42	44	38	53	66	67	66	66	66
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc *																							
F <sub>am</sub>	58	58	57	56	56	57	63	45	37	37	37	31	28	34	30	40	40	46	58	61	63	61	62	66
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc *																							
F <sub>am</sub>	40	39	40	40	39	40	39	31	27	24	19	17	19	19	23	23	31	35	46	49	41	40	39	43
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc *																							
F <sub>am</sub>	32	31	31	29	26	25	26	29	28	26	24	25	21	25	25	29	28	33	35	36	34	33	31	33
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

SAN JOSE dos CAMPOS  
 Station BRAZIL Lat. 23.3 S Long. 45.8 W Type Recorder ARN-2 Month APRIL 19 58

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc																								
F <sub>am</sub>	124	*123	*124	125	*127	*125	*117	*118	*121	*117	*121	*117	*120	*119	*119	*121	*120	123	127	126	124	125	124	
D <sub>u</sub>	11			12														16	13	11	11	10	7	
D <sub>l</sub>	7			6														8	8	7	7	8	5	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc																								
F <sub>am</sub>	113	*111	*116	*118	*117	*115	*107	*99	*107	*95	*107	*99	*99	*104	*103	*106	*103	*103	107	113	113	113	115	116
D <sub>u</sub>	14																		18	10	15	14	12	11
D <sub>l</sub>	8																		6	10	10	8	8	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc																								
F <sub>am</sub>	101	*99	*95	*102	*103	*100	*89	*83	*86	*84	*79	*81	*81	*85	*81	*87	*82	*84	93	97	98	97	100	*99
D <sub>u</sub>	14																		29	12	16	12	9	
D <sub>l</sub>	14																		12	16	11	8	10	
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	*89	*87	*84	*85	*86	*71	*73	*72	*72	*75	*79	*77	*77	*74	*69	*71	*75	*82	85	87	87	87	87	87
D <sub>u</sub>																			18	8	10	8	10	10
D <sub>l</sub>																			12	10	8	6	6	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc *																								
F <sub>am</sub>	62	60	56	56	64	58	48	42	42	31	32	38	30	30	43	42	46	60	61	66	62	64	62	64
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc *																								
F <sub>am</sub>	53	51	51	51	49	51	59	47	37	35	31	31	29	30	32	35	42	47	62	57	57	57	57	55
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc *																								
F <sub>am</sub>	42	42	40	38	38	38	36	34	28	24	26	23	23	23	24	35	41	42	44	44	45	46	35	38
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc *																								
F <sub>am</sub>	36	29	28	27	25	25	27	33	25	23	22	24	29	32	27	40	43	43	44	52	40	35	30	29
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								



# RADIO NOISE DATA

Station SAN JOSE dos CAMPOS BRAZIL Lat. 23.3 S Long. 45.8 W Type Recorder ARN-2 Month MAY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 ko																							
F <sub>am</sub>	*130	*130	*130	*130	*128	*128	*126	*121	*116	*119	120	125	124	128	127	129	128	126	131	134	134	*128	*130	*125
D <sub>u</sub>											12	5	8	6	10	13	12	18	13	10	6			
D <sub>l</sub>											14	19	18	16	11	16	13	11	15	16	14			
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	113 ko																							
F <sub>am</sub>	*118	*117	*120	*118	*112	*113	*107	*100	*102	*106	*109	110	108	110	112	110	107	110	118	116	116	112	114	117
D <sub>u</sub>												10	10	10	14	17	22	19	6	16	10	14	8	10
D <sub>l</sub>												28	22	24	21	21	15	20	20	12	20	8	8	10
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	246 ko																							
F <sub>am</sub>	*94	*96	*96	*94	*98	*94	*80	*79	*86	86	84	84	80	83	84	84	84	87	91	94	94	94	94	92
D <sub>u</sub>											10	6	6	11	11	19	24	31	21	21	20	14	17	14
D <sub>l</sub>											6	13	10	4	9	11	8	11	9	11	12	12	7	6
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	545 ko																							
F <sub>am</sub>	*80	*78	*78	*77	*77	*76	*78	*80	*80	78	73	77	76	72	70	74	80	80	82	84	82	82	84	84
D <sub>u</sub>										4	12	5	4	13	19	16	15	19	14	10	4	6	4	6
D <sub>l</sub>										4	5	8	7	9	9	12	14	6	10	8	7	6	10	10
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	2.5 Mc																							
F <sub>am</sub>	*57	*54	*53	*50	*47	*47	*48	*41	*45	*37	42	33	31	34	36	37	39	43	*53	*53	*53	*53	*51	*50
D <sub>u</sub>											5	14	38	9	12	11	15	8						
D <sub>l</sub>											15	6	5	7	8	9	8	10						
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	5 Mc																							
F <sub>am</sub>	*49	*49	*51	*51	*49	*57	*66	*53	*47	*41	40	36	34	41	41	41	51	59	63	63	*62	*61	*61	*64
D <sub>u</sub>											1	7	5	2	4	6	6	4	4	2				
D <sub>l</sub>											6	8	5	12	9	7	11	8	4	6				
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	10 Mc																							
F <sub>am</sub>	*42	*41	*42	*41	*39	*39	*39	*41	*40	41	39	37	36	36	37	41	43	47	51	49	*47	*47	*45	*43
D <sub>u</sub>										6	6	6	8	6	6	5	3	6	12	12				
D <sub>l</sub>										4	5	9	8	5	6	5	3	6	8	4				
V <sub>dm</sub>																								
L <sub>dm</sub>																								
	20 Mc																							
F <sub>am</sub>	*29	*31	*29	*25	*25	*27	*27	*27	*27	27	27	28	33	31	35	37	37	38	37	*39	*37	*35	*34	*35
D <sub>u</sub>										6	4	4	12	15	10	16	10	18	20					
D <sub>l</sub>										4	4	5	8	7	6	5	10	7	8					
V <sub>dm</sub>																								
L <sub>dm</sub>																								

# RADIO NOISE DATA

Station SINGAPORE, MALAYA Lat. 1.3 N Long. 103.8 Type Recorder ARN-2 Month JULY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
13 kc																								
F <sub>am</sub>	160	161	162	162	162	162	163	160	160	*158	*160	*160	*160	*161	*162	*160	162	162	160	162	158	159	158	160
D <sub>u</sub>	8	7	4	8	6	6	5	6	6								6	5	5	4	5	4	5	2
D <sub>l</sub>	4	14	9	10	13	12	7	4	8								6	7	12	5	11	12	8	7
V <sub>dm</sub>																								
L <sub>dm</sub>																								
51 kc																								
F <sub>am</sub>	139	139	142	141	145	143	141	139	135	*136	*136	*137	*137	*138	*139	141	135	137	139	137	135	139	137	139
D <sub>u</sub>	8	8	7	8	2	4	6	6	16							9	13	11	7	7	8	4	6	3
D <sub>l</sub>	4	4	9	6	8	6	12	10	6							8	4	8	11	10	5	4	3	9
V <sub>dm</sub>																								
L <sub>dm</sub>																								
160 kc																								
F <sub>am</sub>	120	121	123	125	125	119	119	115	*113	115	*119	*116	*122	*119	121	114	115	112	118	118	118	117	118	
D <sub>u</sub>	5	6	4	4	4	4	10	8	8		12					11	18	15	10	5	5	3	6	5
D <sub>l</sub>	11	6	6	8	12	11	17	16	10		16					12	10	17	13	8	10	4	7	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc																								
F <sub>am</sub>	95	93	95	95	96	95	90	85	*89	*80	*91	*90	*91	*95	*95	95	95	92	92	94	91	91	91	92
D <sub>u</sub>	8	12	6	8	7	9	15	22								10	19	14	6	11	12	8	9	8
D <sub>l</sub>	10	8	10	13	11	14	20	15								23	22	16	14	10	14	7	10	10
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc																								
F <sub>am</sub>	64	62	64	66	66	66	62	52	*52	*49	*46	*52	*54	*53	*60	*55	59	52	60	66	64	65	64	64
D <sub>u</sub>	10	8	6	2	4	4	8	17									20	24	10	8	7	5	5	7
D <sub>l</sub>	6	4	6	8	8	10	19	13									22	8	5	2	5	6	5	5
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc																								
F <sub>am</sub>	54	53	54	54	56	56	54	*49	*44	*36	*42	*40	*42	*44	*47	46	47	48	54	58	60	56	56	56
D <sub>u</sub>	10	9	8	8	6	5	4									16	23	13	8	6	4	8	4	7
D <sub>l</sub>	8	13	10	12	14	15	16									16	9	4	4	8	6	6	8	11
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc																								
F <sub>am</sub>	47	47	44	44	44	41	44	44	40	*36	*35	*34	*34	*38	*37	39	44	46	48	46	46	46	48	48
D <sub>u</sub>	7	3	8	4	10	7	8	4	10							14	10	7	6	13	11	6	8	3
D <sub>l</sub>	7	7	4	6	10	7	13	4	2							3	6	8	2	4	5	1	6	8
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc																								
F <sub>am</sub>	28	26	24	24	24	24	24	26	*26	*22	*22	*22	*22	*22	*24	*26	26	28	28	24	26	26	28	28
D <sub>u</sub>	2	2	2	2	4	8	8	4									10	2	3	4	5	4	2	1
D <sub>l</sub>	4	4	2	2	2	2	2	4									2	2	2	2	2	2	2	2
V <sub>dm</sub>																								
L <sub>dm</sub>																								

## RADIO NOISE DATA

Station SINGAPORE, MALAYA Lat. 1 3 N Long. 103 8 E Type Recorder ARN 2 Month AUGUST 1958

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
L S T																								
13 kc																								
Fam	*160	160	*161	160	159	160	160	158	158	158	*156	*152	154	159	160	161	160	162	160	160	158	158	161	160
Du		2		4	5	3	4	4	4	2			8	6	8	4	6	2	4	4	6	6	1	2
Dl		6		20	17	11	4	15	10	12			8	8	9	8	5	10	11	12	15	9	3	9
Vdm																								
Ldm																								
51 kc																								
Fam	136	138	140	138	136	137	132	132	130	126	128	126	131	132	136	137	138	136	136	138	138	136	139	136
Du	8	4	2	6	8	7	6	8	7	12	10	16	11	18	14	9	6	6	8	4	4	8	5	6
Dl	8	4	6	2	6	7	8	8	14	4	11	3	7	6	12	7	6	6	6	4	6	2	5	10
Vdm																								
Ldm																								
160 kc																								
Fam	117	117	117	119	119	116	111	105	107	103	100	101	107	104	112	113	113	113	111	115	115	117	115	
Du	4	6	8	6	6	7	10	14	12	17	18	16	18	23	13	14	8	9	12	6	4	4	4	8
Dl	6	6	6	8	10	14	16	8	15	17	10	12	14	9	15	10	10	8	10	10	8	6	8	6
Vdm																								
Ldm																								
545 kc																								
Fam	91	90	89	90	90	78	88	80	81	72	66	72	80	88	86	88	87	87	90	88	90	90	90	90
Du	5	6	11	8	10	22	19	9	11	18	26	21	33	21	16	15	15	10	8	6	4	6	5	6
Dl	11	8	9	9	6	4	21	14	15	14	18	9	14	14	18	14	11	11	10	8	8	10	10	13
Vdm																								
Ldm																								
2.5 Mc																								
Fam	63	63	63	61	59	63	53	45	39	*33	*33	35	32	35	39	43	49	50	57	65	67	65	64	63
Du	5	6	6	8	11	6	12	10	12			14	9	12	14	22	18	15	5	6	4	4	8	4
Dl	10	8	6	6	5	10	10	8	10			8	6	8	8	10	9	13	8	6	6	8	12	8
Vdm																								
Ldm																								
5 Mc																								
Fam	56	57	55	55	53	53	45	41	37	31	29	29	29	31	37	39	43	47	57	61	60	59	53	55
Du	5	4	6	6	8	9	11	7	8	8	10	8	30	33	25	17	10	7	3	3	6	6	7	6
Dl	9	12	9	8	8	13	6	8	12	8	4	8	6	8	12	10	8	12	10	11	12	9	8	8
Vdm																								
Ldm																								
10 Mc																								
Fam	45	45	43	43	42	39	39	41	36	28	27	27	27	29	33	35	40	41	45	43	44	45	45	45
Du	5	4	6	5	4	6	5	4	5	9	6	6	14	19	12	8	5	6	6	6	5	6	4	5
Dl	7	8	7	9	6	7	11	11	9	3	4	6	7	7	8	6	9	4	4	5	8	3	6	8
Vdm																								
Ldm																								
20 Mc																								
Fam	26	26	24	24	22	22	22	22	22	20	20	18	18	21	22	22	24	24	22	22	25	26	28	26
Du	2	2	2	2	4	4	4	4	6	6	6	14	11	13	5	6	5	3	5	5	5	4	4	4
Dl	2	4	2	2	2	2	1	2	4	2	2	2	2	3	2	2	3	2	2	1	3	2	4	2
Vdm																								
Ldm																								



# MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya

Lat. 1.3 N Long. 103.8 E

Month September 19 58

Hour (SGT)	Frequency (Mc)											
	13 kc			51 kc			160 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub> L <sub>dm</sub>
00	162 4 4	143 2 7		119 6 4	91 10 4		61 8 16	54 8 8		46 2 6		
01	160 4 2	142 3 5		121 2 6	91 6 4		62 8 14	56 6 14		46 3 6		
02	162 4 2	143 4 7		121 4 6	95 4 4		66 5 16	54 8 12		44 5 6		
03	162 4 4	143 3 6		121 6 7	95 8 6		61 7 13	58 4 13		44 2 6		
04	162 3 4	141 6 6		121 7 4	95 8 10		58 13 9	55 8 11		43 6 4		
05	162 3 4	141 6 6		119 9 9	85 18 8		56 12 10	52 8 8		40 6 8		
06	162 3 5	139 8 7		119 10 15	85 20 12		52 8 13	46 6 5		40 6 2		
07	160 6 4	138 8 8		117 10 8	89 14 17		48 8 6	44 8 6		42 4 6		
08	162	139		117 9 12	85 15 10		44	42		38 2 6		
09	159 7 5	137 10 10		117 10 19	84 21 17		44 16 11	40 14 11		34 5 7		
10	160 8 14	136 13 11		117 12 20	89 19 24		44 18 10	38 15 12		32 6 8		
11	160 12 10	134 13 7		115 18 16	91 20 23		48 22 15	39 15 13		32 14 9		
12	158 10 6	139 12 10		122 11 21	101 12 20		52 21 18	44 14 16		37 11 9		
13	160 11 6	143 10 8		123 10 14	103 10 18		58 18 23	49 15 21		39 9 11		
14	162 11 8	142 11 8		119 12 10	101 10 14		56 15 22	46 9 13		38 2 6		
15	162 8 8	144 5 7		121 6 12	99 6 16		56 16 14	42 12 10		38 6 10		
16	164 5 9	143 6 7		119 8 9	93 10 8		56 10 17	44 8 8		40 6 6		
17	162 5 5	141 5 7		116 5 10	90 7 9		52 12 10	48 4 11		44 2 6		
18	160 4 6	141 4 5		119 2 8	91 8 6		54 11 10	58 4 10		44 4 6		
19	158 7 2	143 2 7		119 4 8	92 5 5		60 8 4	56 10 18		44 4 4		
20	160 4 4	141 4 6		119 4 6	91 8 4		60 8 8	58 7 11		44 7 6		
21	160 5 5	141 6 6		119 6 5	93 6 8		60 10 14	55 9 12		44 4 6		
22	161 5 5	141 4 4		119 6 4	91 4 4		62 8 15	54 9 9		46 2 8		
23	160 5 2	141 4 5		119 5 4	91 4 8		59 11 9	54 8 11		46 5 9		

F<sub>am</sub> = median value of effective antenna noise in db above k1b

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya

Lat. 1.3 N Long. 103.8 E

Month October

19 58

Hour (ST)	Frequency (Mc)											
	13 kc			51 kc			160 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	L <sub>dm</sub>
00	162			141			119			94		
01	160			143			117			96		
02	160			143			115			94		
03	156			143			121			98		
04	161			141			112			98		
05	162			139			113			96		
06	158			135			99			90		
07	158			131			105			76		
08	153			126			105			86		
09	150			128			95			72		
10	151			126			90			78		
11	149			131			89			76		
12	156			133			108			88		
13	162			135			115			88		
14	161			141			125			98		
15	160			138			117			93		
16	161			141			118			92		
17	162			139			117			91		
18	162			143			113			94		
19	163			141			115			95		
20	162			143			115			94		
21	162			142			119			96		
22	162			140			119			92		
23	162			140			118			94		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

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# MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya

Lat. 1.3 N Long. 103.8 E

Month November 19 58

Hour (LST)	Frequency (Mc)																							
	13 kc			51 kc			160 kc			545 kc			2.5 Mc			5 Mc			10 Mc			20 Mc		
	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>
00	138			118			96			59			46			31			27			31		
01	140			118			96			57			44			31			27			31		
02	136			114			98			57			44			31			27			31		
03	136			112			96			57			44			33			27			33		
04	136			112			94			57			44			31			27			31		
05	134			104			82			55			41			29			27			29		
06	130			95			74			45			38			29			27			29		
07	123			94			70			37			37			27			27			27		
08	124			82			67			37			29			26			27			26		
09	126			86			68			35			20			24			27			24		
10	125			98			66			33			21			23			27			23		
11	129			97			71			31			22			23			27			23		
12	130			102			79			39			26			25			27			25		
13	130			112			81			37			30			27			27			27		
14	132			112			88			51			34			29			27			29		
15	132			115			98			47			34			31			27			31		
16	132			113			94			49			36			33			27			33		
17	132			110			88			55			42			33			27			33		
18	136			115			94			57			42			31			27			31		
19	140			117			96			63			40			31			27			31		
20	140			116			96			65			44			31			27			31		
21	140			116			94			61			44			33			27			33		
22	140			116			94			61			44			33			27			33		
23	140			116			93			59			44			33			27			33		

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>g</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaysia

Lat. 1.3 N Long. 103.8 E

Month December 19 58

Hour (EST)		Frequency (Mc)																															
		13 kc				51 kc				160 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc			
		F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>m</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>				
00	156				134				113				87				58				46				28								
01	156				134				114				88				58				46				29								
02	156				136				115				86				56				46				29								
03	154				134				112				85				66				46				27								
04	154				136				111				83				60				46				26								
05	154				136				109				76				56				44				25								
06	150				128				101				65				54				40				25								
07	150				122				96				65				46				34				25								
08	147				123				97				67				55				30				23								
09	143				120				91				65				56				30				25								
10	144				122				95				68				58				30				23								
11	145				123				94				70				42				29				23								
12	147				125				96				70				30				24				22								
13	152				127				98				63				30				26				23								
14	151				126				101				76				30				32				27								
15	150				123				103				73				56				32				27								
16	151				127				99				77				49				36				27								
17	149				131				101				74				58				43				29								
18	148				133				105				81				62				46				27								
19	153				135				107				84				60				45				27								
20	153				134				109				85				60				46				30								
21	156				135				109				87				62				45				29								
22	158				139				111				88				60				46				29								
23	156				139				113				85				58				46				28								

F<sub>m</sub> = median value of effective antenna noise in db above ktb  
D<sub>g</sub> = ratio of upper decile to median in db  
V<sub>dm</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month January 19 59

Hour (EST)	Frequency																																																															
	13 kc								51 kc								160 kc								545 kc								2.5 Mc								5 Mc								10 Mc								20 Mc							
	13 kc				51 kc				160 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc																																			
	F <sub>om</sub>	D <sub>u</sub>	D <sub>f</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>																									
00	160	3	2		138	4	6		117	4	6		89	5	9		62	5	10		57	4	4		48	2	4		48	2	4		46	4	2		28	2	2		30	2	4																					
01	160	3	2		138	4	4		117	4	7		89	5	10		61	6	7		57	2	4		48	2	4		48	2	4		46	4	2		28	2	2		30	2	2																					
02	160	4	4		138	4	4		117	4	6		89	2	11		60	8	6		57	2	4		46	4	2		46	4	2		44	6	2		28	2	2		30	2	2																					
03	160	4	4		137	6	3		115	8	4		88	6	8		60	6	6		57	5	4		44	6	2		44	6	2		44	6	2		28	2	2		30	2	2																					
04	160	4	2		138	4	4		114	8	3		87	9	9		59	8	4		57	2	4		44	6	2		44	6	2		44	6	2		26	4	0		24	4	0																					
05	158	6	3		136	7	4		112	8	8		78	14	7		58	5	7		55	4	4		44	4	2		44	4	2		44	4	2		26	2	0		26	2	0																					
06	158	5	3		129	6	3		99	7	8		61	12	6		54	7	10		53	4	6		44	4	2		44	4	2		44	4	2		26	2	0		26	2	0																					
07	156	4	4		127	6	6		95	9	8		62	11	5		44	6	12		41	6	4		40	4	4		40	4	4		40	4	4		26	4	2		26	4	2																					
08	157				128				96				71				31				37				33				33				33				27				27																							
09	154	6	4		124	8	10		91	11	8		59	14	4		32	8	6		28	5	5		26	10	6		26	10	6		26	10	6		24	4	0		24	4	0																					
10	153	5	5		124	6	6		93	6	12		61	6	8		34	6	8		27	6	2		24	8	2		24	8	2		24	8	2		24	3	2		24	3	2																					
11	153	4	4		124	6	6		93	6	14		63	8	6		27	5	2		24	5	3		22	6	4		22	6	4		22	6	4		22	5	0		22	5	0																					
12	154	5	3		126	6	4		97	8	9		69	11	10		26	5	2		23	6	3		24	4	5		24	4	5		24	4	5		24	2	2		24	2	2																					
13	156	5	5		130	4	6		101	10	6		75	8	15		30	1	4		25	5	4		26	6	6		26	6	6		26	6	6		24	2	0		24	2	0																					
14	158	5	4		132	5	7		107	6	11		80	7	13		30	7	4		29	7	6		32	5	5		32	5	5		32	5	5		26	3	2		26	3	2																					
15	160	4	6		134	6	10		107	6	9		79	7	9		34	5	5		33	4	10		38	2	6		38	2	6		38	2	6		28	2	2		28	2	2																					
16	160	2	3		136	2	9		107	6	9		81	6	10		36	6	8		37	7	8		42	2	4		42	2	4		42	2	4		28	4	2		28	4	2																					
17	158	4	4		134	4	9		107	7	8		79	8	10		44	7	12		47	4	7		44	4	2		44	4	2		44	4	2		30	2	2		30	2	2																					
18	158	3	4		136	4	8		111	6	4		85	9	6		54	6	6		56	6	5		46	2	2		46	2	2		46	2	2		28	2	3		28	2	3																					
19	158	4	4		138	4	6		115	4	6		89	6	10		60	6	10		59	6	2		46	4	2		46	4	2		46	4	2		28	2	2		28	2	2																					
20	160	2	5		136	6	4		117	4	6		91	5	9		60	6	8		59	5	3		46	3	2		46	3	2		46	3	2		30	2	2		30	2	2																					
21	160	2	4		138	4	6		117	4	9		91	6	9		60	6	8		59	3	2		48	5	4		48	5	4		48	5	4		31	3	3		31	3	3																					
22	160	3	4		138	5	6		117	6	9		91	5	9		60	6	8		57	5	4		47	3	3		47	3	3		47	3	3		30	1	4		30	1	4																					
23	160	4	3		138	5	6		117	5	7		89	6	7		60	6	9		57	4	3		46	4	2		46	4	2		46	4	2		30	2	2		30	2	2																					

F<sub>om</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya

Lat. 1.3 N Long. 103.8 E

Month February 19 59

Hour (LST)	Frequency											
	13 kc				51 kc				160 kc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>
00	162	2	2			140	6	2			118	6
01	162	4	3			140	6	4			116	7
02	162	4	2			140	6	4			118	4
03	162	4	4			140	6	6			118	4
04	162	4	2			140	4	4			117	5
05	162	4	2			140	4	5			116	4
06	162	2	4			134	3	6			104	9
07	158	4	4			129	7	7			100	8
08	160					132					98	
09	158	4	4			129	5	10			100	8
10	158	2	4			128	4	10			95	13
11	158	2	8			120	4	8			96	16
12	158	4	4			121	6	5			103	16
13	161	3	6			136	7	6			110	13
14	163	5	4			138	13	6			113	14
15	164	4	4			139	9	7			115	12
16	164	2	5			142	4	10			116	6
17	162	4	2			140	5	6			113	6
18	162	2	5			141	3	7			119	3
19	160	4	4			141	5	7			120	6
20	162	3	6			142	4	7			120	5
21	161	5	5			142	4	6			118	6
22	162	2	4			140	8	6			118	6
23	162	3	4			142	4	6			118	6

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>l</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# RADIO NOISE DATA

Station THULE, GREENLAND Lat. 76.5N Long. 68.8W Type Recorder ARN-2 Month APRIL 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc *																								
F <sub>am</sub>	124	124	122	122	120	120	124	122	120	122	118	120	118	118	118	122	119	120	120	124	122	121	126	126
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
113 kc *																								
F <sub>am</sub>	109	119	111	113	105	105	109	109	111	114	110	107	106	106	109	110	107	107	111	115	105	107	111	109
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
246 kc *																								
F <sub>am</sub>	93	103	89	89	81	83	91	83	89	88	91	85	84	85	87	87	86	97	95	95	91	94	97	91
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
545 kc *																								
F <sub>am</sub>	81	78	69	70	69	67	67	71	65	66	71	67	67	69	67	78	66	69	68	74	67	73	77	75
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
2.5 Mc *																								
F <sub>am</sub>	46	55	49	49	43	39	47	37	47	47	52	47	47	44	45	44	49	48	59	59	41	47	45	45
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
5 Mc *																								
F <sub>am</sub>	40	42	40	34	34	30	30	26	26	39	31	32	26	30	26	30	28	28	34	34	32	34	38	40
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
10 Mc *																								
F <sub>am</sub>	30	29	29	27	27	21	21	23	15	21	15	23	15	15	21	18	19	22	25	26	27	27	27	29
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								
20 Mc *																								
F <sub>am</sub>	23	24	22	25	23	23	21	21	21	27	23	21	21	22	19	19	19	24	21	23	21	21	21	27
D <sub>u</sub>																								
D <sub>l</sub>																								
V <sub>dm</sub>																								
L <sub>dm</sub>																								

## RADIO NOISE DATA

Station THULE, GREENLAND Lat. 76.6 N Long. 68.7 W Type Recorder ARN-2 Month MAY 19 58

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# RADIO NOISE DATA

Station THULE, GREENLAND Lat. 76.6 N Long. 68.7 W Type Recorder ARN-2 Month JUNE 1958

		L S T																							
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
		51 kc																							
F <sub>am</sub>		116	116	116	116	114	116	114	114	116	113	112	114	114	114	114	116	116	116	116	116	116	116	116	116
D <sub>u</sub>		5	6	5	5	11	3	6	8	1	4	6	11	6	6	3	6	4	3	4	5	11	7	9	8
D <sub>l</sub>		4	5	5	8	7	10	6	7	9	5	6	8	6	6	5	4	6	7	8	6	7	6	6	5
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		113 kc																							
F <sub>am</sub>		102	100	100	102	98	100	98	100	100	100	100	100	102	102	100	102	100	100	100	101	100	100	100	100
D <sub>u</sub>		5	6	5	8	13	11	8	7	6	8	11	11	6	8	11	10	6	5	5	10	6	7	6	8
D <sub>l</sub>		9	7	6	9	7	7	6	8	6	8	6	4	10	10	6	10	6	7	7	7	6	7	7	7
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		246 kc																							
F <sub>am</sub>		75	74	74	74	78	78	78	74	78	78	78	77	82	75	76	76	76	74	72	72	72	74	74	72
D <sub>u</sub>		14	20	17	15	20	13	12	17	10	14	8	18	8	17	16	19	12	10	12	24	19	21	20	19
D <sub>l</sub>		9	7	8	9	11	12	11	8	10	8	10	9	18	10	8	6	8	8	7	6	6	8	9	8
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		545 kc																							
F <sub>am</sub>		63	63	63	61	63	65	63	61	63	63	64	65	65	61	68	63	65	61	63	61	65	63	63	61
D <sub>u</sub>		20	22	18	21	22	14	14	19	14	12	14	10	16	21	12	14	11	12	12	18	12	19	20	15
D <sub>l</sub>		10	10	10	8	13	13	8	10	9	12	7	12	12	8	14	8	8	8	8	7	14	10	10	8
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		2.5 Mc																							
F <sub>am</sub>		48	46	46	42	48	42	46	44	48	45	44	38	40	46	40	48	46	46	44	46	44	42	42	42
D <sub>u</sub>		10	11	15	14	12	16	12	10	14	20	10	22	20	12	25	13	14	16	23	14	18	13	15	13
D <sub>l</sub>		14	13	14	6	14	10	12	10	14	7	8	3	8	16	10	15	12	13	12	8	10	18	9	12
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		5 Mc																							
F <sub>am</sub>		40	36	34	32	38	36	32	34	36	36	36	28	30	30	32	36	36	33	30	34	36	35	34	36
D <sub>u</sub>		12	17	15	18	8	8	15	11	18	11	9	25	19	16	20	17	14	19	23	21	18	14	17	15
D <sub>l</sub>		14	14	11	12	20	18	12	14	15	12	12	8	8	10	12	14	16	11	8	10	17	11	13	11
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		10 Mc																							
F <sub>am</sub>		24	25	24	22	20	18	18	16	16	16	18	24	12	15	16	18	21	21	20	22	24	24	24	27
D <sub>u</sub>		8	7	9	6	6	10	12	11	14	13	16	18	16	15	11	12	5	12	4	6	7	6	7	6
D <sub>l</sub>		8	11	8	8	8	10	8	8	8	8	9	6	4	7	8	10	13	11	11	10	10	9	8	14
V <sub>dm</sub>																									
L <sub>dm</sub>																									
		20 Mc																							
F <sub>am</sub>		19	23	21	23	23	21	21	23	22	21	21	19	19	19	21	21	21	21	21	21	21	21	21	21
D <sub>u</sub>		17	12	10	8	6	8	16	4	9	13	14	8	14	11	10	8	8	11	4	10	14	9	10	15
D <sub>l</sub>		4	8	6	8	8	6	6	8	7	4	6	4	4	4	6	6	6	6	6	6	6	6	6	6
V <sub>dm</sub>																									
L <sub>dm</sub>																									



# RADIO NOISE DATA

Station THULE, GREENLAND Lat. 76.6 N Long. 68.7 W Type Recorder ARN-2 Month JULY 1958

L S T																								
	00	01	02	03	04	05	06	07	08	09	'0	11	12	13	14	15	16	17	18	19	20	21	22	23
51 ko																								
Fom	120	120	120	118	116	116	116	116	116	114	*112	*112	114	114	*114	114	116	116	116	118	118	118	120	120
Du	4	4	6	6	6	4	4	6	4	6			4	6		6	6	7	8	6	4	6	4	4
Dl	4	7	6	6	6	6	6	6	6	4			6	6		2	4	4	4	6	4	2	4	4
Vdm																								
Ldm																								
113 ko																								
Fom	100	102	100	102	100	102	102	104	96	92	90	*94	94	*96	*95	94	96	96	96	104	104	100	100	100
Du	8	6	8	6	8	9	6	14	12	6	8		8			17	8	11	11	2	4	8	8	8
Dl	7	9	7	10	8	12	14	14	10	2	2		4			4	8	8	6	12	11	7	6	7
Vdm																								
Ldm																								
246 ko																								
Fom	72	72	72	72	74	72	72	72	68	*62	*68	*68	68	*68	70	68	69	70	72	72	72	72	72	72
Du	15	16	20	13	11	13	13	12	13				12		12	14	18	18	16	15	6	12	19	15
Dl	2	3	4	5	6	8	7	8	7				10		8	4	7	9	9	7	8	6	5	4
Vdm																								
Ldm																								
545 ko																								
Fom	63	61	59	59	59	55	57	61	55	*57	*56	*55	56	*58	59	61	63	57	57	59	59	59	61	62
Du	12	9	26	12	12	18	22	9	10				15		10	10	7	20	16	12	13	22	12	12
Dl	11	10	4	6	6	4	6	6	8				11		12	6	13	12	8	6	4	6	8	11
Vdm																								
Ldm																								
2.5 Mo																								
Fom	43	43	46	43	45	41	43	41	39	33	*35	*37	*35	*39	31	33	31	37	37	43	43	43	45	43
Du	24	24	24	24	11	22	26	20	20	32					28	14	22	12	24	18	12	19	18	19
Dl	8	12	13	12	12	21	8	8	7	4					4	6	4	12	10	13	6	6	8	8
Vdm																								
Ldm																								
5 Mo																								
Fom	38	42	42	36	36	36	36	36	48	32	40	*30	34	*34	44	33	36	31	34	34	34	34	38	38
Du	18	17	16	24	24	24	22	22	6	22	14		22		12	21	14	27	18	25	24	22	22	20
Dl	14	18	22	14	12	15	17	13	28	14	16		12		24	13	16	13	16	14	10	8	14	10
Vdm																								
Ldm																								
10 Mo																								
Fom	25	25	25	23	19	21	21	17	15	*16	*17	*13	15	*14	*15	*17	*18	*19	*22	*22	*24	*24	25	27
Du	14	14	8	10	6	10	16	18	10				16										18	12
Dl	2	8	8	6	4	8	10	8	6				8										4	6
Vdm																								
Ldm																								
20 Mo																								
Fom	23	23	23	25	21	23	23	23	21	*23	*27	*22	22	*20	21	*19	21	21	23	23	*21	23	23	25
Du	6	18	12	10	4	12	10	20	14				9		6		10	10	6	4		10	18	6
Dl	2	4	2	4	2	6	4	4	6				5		4		4	4	6	6		4	4	8
Vdm																								
Ldm																								

# MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland

Lat. 76.6 N Long. 68.7 W

Month August

19 58

Hour (LST)	Frequency (Mc)																															
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub> -dm	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>		
00	116	4	6			93	7	8			69	10	6			36						26	8	5			23	7	5			
01	118	2	6			93	4	8			69	9	4			35						24	3	3			22	8	4			
02	114	8	4			91	7	8			69	10	10			36	10	2				23	6	2			22	10	4			
03	115					91					70					34						21					22					
04	114					91					67					34						19					24					
05	114					92					69					32						24					24					
06	114					92					71					32						21					24					
07	114					93					68					31						22					24					
08	114					89					71					34						22					24					
09	112					91					67					34						20					26					
10	114					92					70					36						18					24					
11	114	4	8			91	11	6			67	8	2			35						21	9	5			24	6	6			
12	112	6	4			89	10	6			69	6	6			38	6	8				20	6	12			24	10	4			
13	114	0	4			91	10	6			70					34	16	4				22					22	12	4			
14	114	2	6			93	15	6			69	10	4			36	12	10				21	18	5			22	8	0			
15	114	2	9			93	5	11			73	6	8			34	14	6				22	12	6			22	10	2			
16	114	4	9			91	11	10			68	7	3			34	12	6				23	15	5			22	8	4			
17	114	2	4			91	6	6			71	12	6			34	8	4				22	20	6			22					
18	114	2	6			93	3	8			71	8	10			34	12	6				23					22	8	2			
19	114	2	10			89	6	4			69	10	6			34	12	4				20					24	6	2			
20	114	2	8			88	5	3			73	4	6			34	10	4				25					22	8	4			
21	116	0	8			91	4	4			71	8	4			37						27					22	10	4			
22	116	2	7			91	4	4			71	12	8			36						27					22	8	4			
23	116	2	8			92	3	3			71	8	2			36						25					24	6	6			

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

150000-100-10

RN-13



# MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland

Lat. 6.6N Long. 68.7W

Month September | 9 | 58

Hour (LST)	Frequency (Mc)																																
	51 kc				113 kc				246 kc				545 kc				2.5 Mc				5 Mc				10 Mc				20 Mc				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>g</sub>	V <sub>dm</sub>	L <sub>dm</sub>			
00	123	5	3			112	4	12			85	4	13			73	10	6			49	9	7			42	4	4			25	6	4
01	124	4	6			112	2	14			84	4	10			75	6	8			47	16	4			42	6	7			24	9	5
02	124	4	6			114	2	14			81	8	7			76	8	9			49	7	6			44	4	8			24	7	5
03	122	6	3			112	5	13			83	8	6			75	7	10			47	10	8			45	15	7			27	8	7
04	124	2	6			112	4	14			84	7	8			73	10	8			47	8	12			42	8	6			24	8	4
05	122	6	4			110	4	14			82	6	7			74	7	8			47	8	6			40	8	6			25	9	6
06	122	5	5			110	6	12			81	8	8			73	9	11			47	8	7			42	6	11			24	5	6
07	122	5	6			108	8	12			83	5	10			71	9	8			49	6	5			38	14	3			24	17	6
08	122	6	7			108	9	12			83	5	8			72	7	7			48	6	9			39	21	4			25	11	5
09	120					104					79					72					45	15	6			36	24	6			21	14	6
10	122	6	4			106	10	8			83	6	12			73					45	12	10			37	16	7			21	7	2
11	122					104	12	6			79	10	6			73	10	4			47					36					21	7	5
12	122	4	6			108	8	12			79	9	9			73	10	7			43	14	4			34	8	4			21	4	2
13	122	6	8			106	8	8			81	8	12			71	9	4			45	12	6			36	15	6			21	4	2
14	122	4	6			106	9	8			81	11	7			73	7	4			45	18	9			35	8	5			24	5	4
15	122	4	6			104	10	7			85	8	11			71	6	6			45	7	7			36	15	6			27	5	8
16	122	4	6			104	13	10			81	8	10			73	8	7			45	8	4			34	6	4			23	6	6
17	122	4	7			106	9	10			81	9	10			73	9	11			47	6	8			36	8	4			23	4	4
18	123	3	6			106	8	9			83	4	11			75	8	9			45	12	10			38	4	8			25	5	5
19	123	3	5			109	5	13			81	9	8			72	9	10			45	12	6			40	11	6			27	6	4
20	124	2	4			112	2	14			83	6	13			75	7	8			49	6	8			40	10	8			27	4	6
21	124	4	4			112	4	12			83	8	12			77	6	11			49	9	8			42	10	10			27	4	6
22	124	4	2			112	4	12			83	7	11			73	8	8			48	4	5			42	6	10			27	6	6
23	124	4	4			110	4	10			84	5	9			73	9	7			49	4	6			42	8	2			27	6	6

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>g</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland

Lat. 76.6 N Long. 68.7 W

Month November 19 58

Hour (ST)	Frequency (Mc)											
	51 kc				113 kc				246 kc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub> -L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub> -L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub> -L <sub>dm</sub>
00	124 3	4			118 2	4			95 4	6		
01	124 6	4			118 4	5			93 4	7		
02	124 5	4			118 4	4			93 4	4		
03	122 6	2			118 3	6			93 4	4		
04	122 5	3			118 6	6			93 4	4		
05	122 6	2			116 5	4			93 6	4		
06	124 4	3			116 6	6			93 7	5		
07	122 5	2			118 3	5			93 4	6		
08	124 4	4			118 5	6			91 4	2		
09	124 2	4			116 6	4			93 6	4		
10	124 6	4			116 6	4			93 4	5		
11	122 7	2			116 5	3			92 7	5		
12	124 6	3			116 6	2			93 2	4		
13	124 6	4			116 8	2			93 4	2		
14	124 6	4			118 6	6			93 3	4		
15	124 4	4			118 3	6			93 5	5		
16	124 5	4			118 4	6			93 4	3		
17	124 4	4			118 4	3			93 4	4		
18	124 4	1			120 4	5			93 4	4		
19	124 4	4			118 5	2			95 2	6		
20	124 5	4			117 6	3			93 5	5		
21	125 3	5			118 6	5			93 2	4		
22	124 5	4			118 4	5			93 5	4		
23	124 6	4			118 3	5			93 4	4		

F<sub>am</sub> = median value of effective antenna noise in db above k1b

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>f</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month January 19 59

Time (LT)	Frequency											
	51 kc			113 kc			246 kc			545 kc		
	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub>
00	124 2 7			122 2 6			97 6 4			89 2 4		
01	124 2 5			120 4 4			97 6 2			89 4 4		
02	123 5 5			120 4 2			97 4 2			91 2 6		
03	124 2 4			122 4 6			99 2 6			89 2 4		
04	124 2 4			118 6 4			98 5 3			88 3 3		
05	122 4 4			119 5 5			97 4 4			89 2 8		
06	122 4 6			118 4 2			98 3 5			87 4 4		
07	123 3 3			120 4 4			97 6 4			89 2 4		
08	122 4 2			120 6 7			99 4 7			89 2 7		
09	124 3 4			120 6 4			99 4 6			87 4 2		
10	122 5 2			118 6 2			97 7 4			88 5 1		
11	122 4 2			121 3 5			95 4 4			87 4 2		
12	122 4 2			120 4 4			97 4 4			87 4 4		
13	124 2 4			120 6 4			97 6 8			89 2 2		
14	124 2 6			120 4 2			97 6 4			87 4 2		
15	122 4 4			120 6 4			97 4 4			89 4 4		
16	122 4 5			120 4 4			97 6 4			89 2 6		
17	122 4 3			119 7 5			97 6 6			89 6 4		
18	122 4 4			118 8 2			97 4 4			87 4 2		
19	122 4 4			120 4 4			97 6 4			87 4 2		
20	122 4 2			120 4 4			97 4 4			87 6 2		
21	124 2 6			120 4 6			97 6 4			87 4 2		
22	122 4 4			120 6 4			99 2 6			89 4 4		
23	124 2 6			122 4 8			97 6 4			89 4 4		

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>l</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month February 19 59

Hour (LST)	Frequency											
	51 kc				1113 kc				246 kc			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>
00	118	4	2			112	5	5			90	4
01	118	4	2			114	3	5			88	6
02	118	4	2			113	4	5			90	6
03	118	4	2			113	4	6			90	10
04	120	2	4			115	2	8			90	6
05	118	4	4			111	6	8			88	8
06	118	4	2			111	6	8			88	8
07	118	4	2			111	6	4			88	8
08	118	2	2			112	5	5			88	
09	120					111					90	
10	117					106					92	
11	118					111	6	8			88	4
12	118	4	2			115	2	10			90	4
13	118	4	2			113	4	10			88	
14	120	2	4			117	0	12			88	
15	119	5	3			116	3	11			88	10
16	118	4	2			115	2	8			88	6
17	118	4	2			116	1	12			88	6
18	118	4	2			115	4	10			90	4
19	118	4	2			115	2	8			88	6
20	118	4	2			117	1	10			90	4
21	120	2	2			116	2	10			90	6
22	118	4	2			111	6	5			88	8
23	120	2	4			115	2	7			92	2

Frequency											
545 kc				2.5 Mc				5 Mc			
F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>f</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>
81	8	8			63					46	
81	8	6			60					48	
81	8	7			59					48	
78	12	4			62					48	
81	8	7			59					46	
81	9	7			60					48	
79	11	6			61					48	
79	8	6			61					48	
89					61					47	
80					61					48	
78					55						
78	9	2			53					46	
79	10	4			63					48	
81	8	8			63					49	
79					61					50	
82	7	7			60					48	
79	8	4			61					48	
81	8	7			59					48	
83	7	8			59					48	
81	9	7			61					47	
81	7	4			60					48	
81	8	5			59					50	
81	6	7			59					46	
81	8	7			62					46	

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>f</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Winter ( \*\*\* Jan. \*\*\* ) 19 57 - 58

TIME BLOCKS (LST)																														
	0000—0400					0400—0800					0800—1200					1200—1600					1600—2000					2000—2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
Frequency (Mc)																														
.051	130					128					116						124					124	4	10						
.113	114					108					93						101					106	5	11						
.246	104					94					78						82					92	8	10						
.545	91					78					57						62					79	4	8						
2.5	60					58					57						58					62	5	3						
5	54					48					28						26					49	5	6						
10	39					36					41						19					36	6	4						
20	30					30					30						31					32								

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\*\* No December or February data





# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station BALEOA, C.Z. Lat. 9.0 N Long. 79.5 W Season SUMMER ( JUNE JULY AUGUST ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000 - 0400						0400 - 0800						0800 - 1200						1200 - 1600						1600 - 2000						2000 - 2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	145	6	6				145	7	8				143	7	9					144	9	9				143	8	7				143	7	8		
.113	132	6	5				134	6	9				130	8	14					132	10	11				129	8	9				130	7	5		
.246	116	8	6				116	9	10				114	10	16					116	11	11				112	11	10				114	9	6		
.545	101	9	8				100	11	14				100	11	18					102	12	19				98	10	14				100	8	7		
2.5	72	3	6				68	6	6				61	8	5					64	15	9				65	10	7				71	5	8		
5	64	2	3				60	4	6				45	12	15					49	18	18				56	9	7				63	3	5		
10	48	2	5				43	4	4				35	12	8					39	11	9				46	6	5				48	3	4		
20	30	6	4				28	8	4				27	9	5					31	11	6				32	8	4				30	7	4		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Fall ( Sept. Oct. Nov. ) 19 58

## TIME BLOCKS (LST)

	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
Frequency (Mc)	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	143	6	6			141	7	8			135	11	9				136	12	6			139	9	6			141	6	6		
.113	130	6	7			127	8	10			118	15	14				124	14	13			124	12	8			127	7	6		
.246	107	6	7			102	10	12			91	19	16				101	17	16			100	14	9			105	8	8		
*.545																															
2.5	70	4	6			64	5	7			57	6	10				60	14	11			61	11	8			66	6	5		
5	61	4	3			55	4	6			39	17	10				40	22	15			54	9	6			60	4	4		
10	44	3	4			41	4	5			27	11	7				34	13	9			44	5	4			46	2	3		
20	28	5	4			28	6	3			26	7	3				32	7	5			32	6	2			31	4	3		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*Signal contamination at 0.545 megacycles

## SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W  
Season Winter ( Dec. Jan. Feb. ) 19 58-59

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	128	7	5	10.0	18.0	126	8	4	11.0	18.5	117	11	8	14.5	23.0	123	7	6	11.0	18.0	124	6	7	11.5	19.0	127	6	7	10.5	18.0	
.113	113	8	5	6.5	10.0	106	12	8	10.0	16.0	94	15	10	9.0	15.0	98	12	10	8.5	14.5	104	8	9	10.5	14.5	112	7	6	6.5	10.5	
.246	100	8	6	8.0	14.5	89	15	10	11.0	18.5	76	17	6	9.0	14.5	78	14	6	8.0	13.5	90	9	7	9.5	17.0	98	8	6	8.5	15.0	
*.545																															
2.5	56	7	6	7.5	13.5	51	9	9	9.0	15.5	28	10	5	6.0	9.0	27	8	5	5.0	7.0	41	8	6	5.5	9.5	55	7	7	6.0	11.0	
5	54	4	5	6.0	10.5	51	6	5	7.0	11.0	24	9	6	8.0	12.0	22	8	6	7.0	10.0	48	6	7	6.5	11.0	56	5	6	6.0	10.0	
10	39	4	4	6.0	10.0	37	6	5	5.0	8.5	20	9	4	7.5	11.0	21	7	5	7.0	10.5	38	5	4	5.0	8.5	41	3	4	5.5	12.5	
20	19	3	1	2.0	4.0	24	3	1	2.0	4.0	23	4	3	3.5	5.5	23	4	2	3.5	5.5	26	3	2	3.5	5.5	25	3	2	3.0	5.0	

$\bar{F}_{\text{gm}}$  = median value of effective antenna noise in db above ktb

$D_{11}$  = ratio of upper decile to median in db

$D_2$  = ratio of median to lower decile in db

 $V_{dm}$  = median deviation of average voltage in db below mean power $\sigma_{dm}$  = median deviation of average logarithm in db below mean power

\*Signal contamination at 0.545 megacycles



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Summer ( July ) 19 57

## TIME BLOCKS (LST)

	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
Frequency (Mc)	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	142					135					131						144	9	7			144	4	8			144	4	8		
.113	126					114					111						128	10	12			128	5	8			128	5	8		
.246	109					96					91						114	12	21			112	6	8			112	6	8		
.545	88					67					74						96					92					92				
2.5	73	5	8			40	12	8			26	10	4				60	14	24			71	6	8			71	6	8		
5	65	4	4			46	6	12			26	12	6				54	6	18			66	4	5			66	4	5		
10	47	6	4			42	5	7			31						46	4	5			52	3	6			52	3	6		
20	28	4	4			28	5	4			26						31	5	6			28	4	4			28	4	4		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\*\*No June or August data

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Fall \*\*\* Oct. 19 57

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
.051	130	7	8			124	8	8			116	12	12			122	9	15			128	7	10			129	9	7							
.113	114	7	10			104	10	13			89	18	12			100	14	18			110	8	12			113	9	9							
.246	98	7	12			84	11	10			74	9	2			79	13	7			92	12	10			97	11	8							
.545	85	6	8			74	5	6			68	5	4			68	9	4			80	10	6			88	8	9							
2.5	56	11	9			46	8	12			26	7	6			27	10	7			48	11	11			57	9	6							
5	56	6	8			46	6	4			26	6	10			26	8	12			47	9	6			54	7	8							
10	42	4	2			38	5	2			26	8	4			30	8	6			42	5	3			44	2	4							
20	23	2	2			26	2	3			27	7	4			28	6	2			30	4	2			25	2	2							

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\*\*No September or November data

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Winter ( \*\*\* Jan. \*\*\* ) 19 57-58

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>
.051	121	6	3		121	4	4		104	12	5		102	12	8		110	7	8		119	7	9	
.113	99	10	4		95	6	5		78	12	4		78	10	4		92	9	4		97	10	4	
.246	80	13	5		76	8	5		72	4	3		71	5	1		74	11	3		79	15	6	
.545	73	10	8		74	7	6		69	3	4		70	4	4		74	5	5		81	8	6	
2.5	48	11	7		42	10	4		20	3	1		20	2	0		34	10	4		46	12	6	
5	51	7	3		48	6	4		21	6	4		18	4	4		40	7	4		48	8	4	
10	42	5	4		38	4	4		26	6	3		28	4	4		40	4	3		42	4	4	
20	24	1	3		26	2	4		28	3	4		28	4	3		29	4	3		24	4	3	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\*\*No December or February data



Bill, Wyoming | at 43.2 N | 105.2 W | on a. Season Spring ( Apr. May ) 958  
Station \*\*\*

$\bar{\sigma}_{am}$  = median value of effective antenna noise in db above ktb  
 $\sigma_{Du}$  = ratio of upper decile to median in db  
 $\sigma_{Dl}$  = ratio of median to lower decile in db  
 $\sigma_{dm}$  = median deviation of average voltage in db below mean power  
 $\sigma_{dm}$  = median deviation of average logarithm in db below mean power

\*\*\*No March data

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Summer ( June \*\*\* Aug. ) 19 58

TIME BLOCKS (LST)																														
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
.051	140					132					130					138						143								
.113	124					114					110					123	9	10				127	7	6						
.246	106					95					89					106	16	12				110	9	10						
.545	91					74					72					90						95								
2.5	68	4	6			42	7	9			25					46						69	4	8						
5	63	2	4			46	5	4			30	7	1			39	18	4				64	3	4						
10	46	3	3			41	3	3			35	3	2			38	5	3				50	2	4						
20	33					33					32					33						33								

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\*\*No July data

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Fall ( Sept. Oct. Nov. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	127	7	5			122	9	7			114	9	9			119	8	6				124	9	6			128	9	6		
.113	111	9	4			102	11	8			95	16	9			100	16	9				107	14	7			112	12	5		
.246	96	9	5			82	15	6			77	15	5			81	12	10				91	16	10			96	11	6		
.545	86	8	5			77	9	5			69	8	5			69	16	6				82	15	7			90	7	6		
2.5	58	8	7			46	8	8			21	5	3			21	20	2				49	12	9			56	11	6		
5	57	5	5			47	6	6			19	9	3			22	14	7				47	9	6			55	7	6		
10	43	3	3			39	4	3			28	6	3			32	5	4				44	4	3			45	3	4		
20	23	4	1			27	7	3			29	5	4			30	4	4				32	4	4			25	6	2		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\*\*No November data



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Winter ( Dec. Jan. Feb. ) 1958 - 59

Frequency (Mc)	TIME BLOCKS (LST)																																					
	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400							
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>			
.051	120	9	5				118	8	7				105	9	7				103	11	8					108	10	7				117	9	7				
.113	104	8	5				97	8	6				88	7	8				88	8	9					99	6	8				103	8	8				
.246	85	11	8				79	11	6				74	7	4				74	8	3					78	7	6				84	13	6				
.545	79	7	6				76	6	5				67	4	4				66	4	5					75	7	6				83	6	7				
2.5	46	9	6				42	8	6				21	4	4				19	3	>2					34	8	5				45	9	5				
* 5																																						
10	39	4	4				36	6	4				30	4	3				29	3	4					39	4	2				40	4	3				
20	23	1	2				25	2	2				28	3	3				28	3	3					28	4	3				22	2	1				

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*Signal contamination at 5 megacycles

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Summer ( June July Aug. ) 19 57

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
.051	140	5	5	6.5	13.0	133	5	6	9.5	17.0	132	3	4	11.5	19.0	142	8	6	9.5	15.5	144	7	7	8.0	13.5	143	6	6	7.0	13.0					
.113	125	5	6	6.0	12.5	116	7	10	9.5	18.5	113	7	5	12.0	20.0	128	10	12	10.0	17.5	132	8	11	8.0	15.0	129	7	8	7.0	12.0					
.246	110	7	8	6.5	12.0	97	8	15	9.5	17.5	94	11	10	11.5	18.5	113	14	16	10.0	18.5	118	9	14	8.0	15.0	114	8	8	6.0	11.5					
.545	93	7	8	5.5	11.5	78	10	7	5.5	10.5	80	16	9	6.5	11.5	100	14	20	9.5	17.5	102	10	18	8.0	15.0	98	7	7	5.0	10.0					
2.5	72	6	5	3.5	8.5	52	6	6	3.0	7.5	47	8	3	2.0	4.0	60	17	12	7.0	13.0	65	11	13	5.0	10.5	73	6	5	3.5	8.0					
5	63	4	4	3.5	8.0	49	5	5	4.0	7.5	43	6	6	1.5	4.0	50	17	8	5.0	11.0	57	9	6	3.0	7.5	65	6	4	3.0	7.5					
10	45	4	4	3.5	7.0	40	6	4	4.5	8.5	32	8	6	4.5	7.0	40	10	7	4.5	9.0	49	5	4	3.0	6.5	48	5	4	3.5	7.5					
20	22	4	3	1.0	3.0	22	5	3	1.5	4.0	23	9	3	2.5	5.0	26	11	5	3.5	6.0	27	8	4	3.0	6.0	23	7	2	2.0	3.5					

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Fall (Sept. Oct. Nov.) 19 57

TIME BLOCKS (LST)																														
	0000 - 0400					0400 - 0800					0800 - 1200					1200 - 1600					1600 - 2000					2000 - 2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
Frequency (Mc)																														
.051	132	8	7	9.0	16.0	128	8	7	10.0	19.0	121	11	9	12.5	20.5	125	13	11	10.0	17.5	130	10	10	9.5	16.0	134	7	8	8.5	16.0
.113	117	8	9	8.0	15.0	116	14	13	10.0	18.0	99	16	16	10.5	21.0	103	19	16	8.5	15.0	114	11	12	7.5	15.0	117	12	8	7.5	14.5
.246	102	10	10	7.5	14.0	90	13	10	8.0	16.0	82	16	4	7.0	10.5	86	18	11	6.5	11.5	95	15	14	6.5	12.0	102	12	10	7.5	14.0
.545	88	9	8	5.5	12.0	83	7	8	4.5	9.0	77	6	6	3.0	5.0	79	11	7	4.0	7.0	88	9	7	5.0	9.5	93	7	6	4.5	9.0
2.5	60	9	9	4.5	8.5	52	8	7	4.0	7.0	46	4	5	1.5	3.0	47	8	4	2.0	3.0	53	11	6	3.0	5.0	60	9	9	4.0	8.0
5	56	6	6	4.0	8.0	49	5	6	3.5	7.5	39	5	8	1.5	3.0	41	5	6	2.0	3.0	51	9	5	3.0	6.0	55	5	7	4.0	8.0
10	44	4	4	3.0	6.0	39	4	6	3.5	6.5	28	9	4	3.0	4.5	31	7	4	3.0	5.5	44	5	4	3.0	6.5	44	4	4	3.5	6.5
20	23	2	1	1.0	2.5	25	3	2	2.0	3.0	26	5	3	1.5	3.5	29	5	3	2.0	4.0	31	5	4	2.0	4.0	24	3	2	2.0	3.5

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Winter (Dec. Jan. Feb. ) 19 57-58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.051	120	9	6	10.0	18.0	121	7	6	11.0	19.0	108	9	6	11.0	18.5	107	13	7	12.0	18.0	116	9	8	11.0	18.5	122	9	7	10.0	17.5
.113	103	12	7	7.5	13.0	94	12	7	9.0	14.0	78	14	5	4.0	7.0	81	16	7	4.0	8.5	96	13	7	8.0	13.0	102	13	7	8.0	13.5
.246	85	15	7	7.0	11.0	77	12	5	5.0	10.0	73	6	3	5.0	8.5	73	7	3	4.0	7.5	78	16	6	5.0	10.0	86	15	7	7.0	12.0
.545	78	8	6	4.5	9.0	81	6	6	3.5	6.5	74	7	8	2.5	4.0	76	8	9	2.5	6.0	82	7	10	3.5	7.0	86	8	5	3.0	7.0
2.5	52	9	4	3.5	6.0	50	6	3	3.0	5.0	46	2	3	2.5	3.5	48	2	2	2.5	3.5	49	5	3	3.0	4.0	51	10	4	3.0	5.0
5	51	6	4	5.0	9.0	49	5	4	4.0	7.5	38	2	3	2.0	4.0	39	2	2	2.5	4.0	46	6	4	3.5	5.5	50	6	5	5.0	8.0
10	43	3	4	5.0	8.0	39	4	4	4.5	7.0	28	4	2	3.0	4.5	30	4	4	3.5	5.0	42	4	3	5.0	8.0	44	3	4	5.0	8.0
20	23	2	1	2.0	3.0	25	3	1	2.5	4.0	27	5	2	3.0	4.5	28	4	2	3.0	5.0	29	4	3	3.0	4.5	24	2	2	2.5	4.0

F<sub>am</sub> = median value of effective antenna noise in db above k1b

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Spring (Mar. Apr. May ) 19 58

TIME BLOCKS (LST)																														
Frequency (Mc)	0000 - 0400					0400 - 0800					0800 - 1200					1200 - 1600					1600 - 2000					2000 - 2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.051	130	7	7	13.0	20.0	123	8	8	13.5	22.0	119	10	8	13.5	22.0	124	12	8	11.5	19.5	129	9	12	11.0	19.0	132	9	8	11.0	18.5
.113	116	8	9	12.0	19.5	104	11	14	13.5	23.0	99	12	17	11.5	22.5	106	15	14	13.0	21.0	114	12	13	12.5	20.5	118	10	10	10.5	17.5
.246	101	8	12	12.0	20.5	84	12	11	12.5	23.0	81	14	8	10.5	17.5	90	15	10	11.5	20.0	98	15	13	10.5	19.5	102	12	10	11.0	18.0
.545	86	8	9	10.5	19.5	78	7	9	8.5	15.5	76	10	6	10.0	22.5	84	12	10	12.5	22.5	87	15	9	10.0	19.0	92	9	7	10.0	17.5
2.5	63	8	7	5.0	10.0	50	8	7	4.0	6.0	45	6	4	1.5	3.0	48	10	7	2.5	3.5	55	10	8	4.0	10.5	64	8	8	5.5	7.5
5	59	5	5	5.5	9.5	47	7	5	4.5	8.0	38	4	5	2.0	4.5	42	9	6	3.0	5.0	52	8	6	5.0	10.0	59	6	5	5.5	10.0
10	45	4	4	4.5	8.0	39	4	5	4.5	7.5	28	5	4	3.5	6.0	34	8	6	5.0	8.0	45	5	5	4.5	7.5	46	4	5	4.5	8.0
20	23	3	1	1.5	3.0	25	4	3	2.5	4.5	24	6	3	3.0	6.0	26	8	4	3.5	5.5	28	8	4	3.0	4.5	24	5	2	2.5	4.0

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Summer ( June July Aug. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	138	5	7	9.0	15.0		130	6	4	12.0	20.0		140	10	7	9.5	14.5		143	7	8	8.5	13.0		142	5	7	9.0	14.0		142	5	7	9.0	14.0	
.113	125	6	6	9.0	14.5		114	8	6	13.0	21.0		126	10	12	10.5	17.5		130	9	9	9.0	16.0		128	8	6	8.0	14.0		128	8	6	8.0	14.0	
.246	110	7	7	8.5	14.5		98	10	12	12.0	21.0		114	12	16	11.0	18.5		117	11	14	9.5	16.0		114	9	8	8.0	13.5		114	9	8	8.0	13.5	
.495	93	6	7	7.0	13.0		74	13	12	8.0	13.5		106	11	19	10.0	17.5		102	11	16	9.5	17.0		97	9	7	7.0	13.0		97	9	7	7.0	13.0	
.2.5	71	6	4	4.5	7.5		51	8	6	4.0	7.0		60	20	13	7.0	9.0		66	13	14	6.0	8.5		72	5	4	4.0	7.0		72	5	4	4.0	7.0	
.5	62	5	4	4.0	6.5		49	6	5	4.0	6.0		50	16	7	3.5	5.0		57	10	6	4.0	6.0		64	5	3	4.0	6.5		64	5	3	4.0	6.5	
.10	46	6	4	5.0	8.0		40	5	4	5.5	8.0		40	12	8	4.5	7.0		48	6	4	4.0	6.0		48	4	3	4.5	7.0		48	4	3	4.5	7.0	
.20	24	3	2	2.0	3.5		24	5	3	3.5	4.0		29	9	4	4.0	5.0		30	8	4	4.0	5.5		26	5	3	3.5	4.5		26	5	3	3.5	4.5	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Fall ( Sept. Oct. Nov. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400						
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		
.051	127	6	4	9.5	15.5		122	7	6	11.5	18.0		116	7	6	11.0	18.0		120	9	7	10.0	16.5			126	6	6	8.5	15.0		127	6	4	9.0	15.5	
.113	112	6	4	7.0	10.5		101	11	8	9.5	13.5		92	12	7	7.0	9.0		98	13	8	7.0	10.5			108	10	7	6.0	9.0		112	8	5	6.0	9.0	
.246	97	8	6	8.0	13.5		81	15	6	9.0	13.5		74	13	5	6.5	10.5		80	18	9	6.0	10.5			91	13	10	7.0	13.0		98	10	6	7.5	13.0	
.495	86	7	6	8.0	13.5		67	12	6	6.5	10.5		61	9	4	4.0	6.5		66	16	8	5.0	9.5			78	12	9	6.0	10.5		86	9	6	7.0	11.5	
.25	60	9	8	4.5	7.5		54	10	7	3.0	5.5		48	12	6	2.0	3.0		49	12	4	2.0	4.0			55	10	6	3.0	6.0		56	9	7	4.5	7.5	
*5	58	4	4	5.0	8.0		51	5	5	4.0	6.5		43	2	7	3.0	4.5		44	6	8	2.0	5.0			52	5	5	4.0	7.0		56	5	6	4.5	8.5	
10	44	3	3	5.0	8.5		39	4	3	4.5	7.0		30	4	3	3.5	5.5		34	6	3	4.0	6.5			45	3	2	4.0	7.5		45	3	2	4.5	8.0	
20	23	1	1	2.0	3.0		26	3	2	2.5	3.5		28	3	3	2.5	3.5		30	4	3	2.5	4.5			31	6	3	2.5	4.5		25	4	2	3.0	3.5	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*September and October only because of signal contamination at 5 megacycles

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Winter ( Dec. Jan. Feb. ) 19 58 - 59

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400							
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>			
.051	118	8	5	9.0	15.0		116	6	5	9.5	16.0		103	8	6	10.0	15.5		103	12	9	10.0	17.0		110	9	8	10.5	16.0		116	9	6	8.5	15.0			
.113	101	10	7	5.0	7.5		93	10	8	5.5	8.5		83	12	7	5.0	7.5		83	12	7	5.0	6.5		95	8	7	3.0	3.5		101	8	8	5.5	7.0			
.246	84	12	8	8.0	13.0		75	9	6	6.0	9.0		70	5	3	6.0	8.0		70	7	3	6.0	9.0		76	10	6	6.5	10.5		84	12	8	6.5	11.5			
.495	73	12	8	7.0	12.0		63	8	5	4.5	7.0		59	5	4	2.5	4.5		60	8	4	2.0	4.5		66	9	5	4.5	8.0		73	11	7	6.0	11.0			
2.5	50	8	5	3.0	5.0		48	8	4	2.5	4.5		44	5	4	2.0	3.5		45	5	5	2.0	3.5		47	5	3	2.5	4.0		51	7	5	3.0	5.0			
* 5																																						
10	40	4	6	4.5	8.5		37	6	5	3.5	6.0		28	4	3	2.5	4.0		28	4	3	3.0	5.0		40	4	3	4.0	7.0		40	3	4	4.0	8.0			
20	23	1	1	1.5	3.0		26	2	1	2.0	3.5		28	3	3	2.5	4.0		29	4	3	2.5	4.0		29	5	4	2.5	4.5		23	2	2	1.5	3.0			

F<sub>am</sub> = median value of effective antenna noise in db above ktb  
D<sub>u</sub> = ratio of upper decile to median in db  
D<sub>l</sub> = ratio of median to lower decile in db  
V<sub>dm</sub> = median deviation of average voltage in db below mean power  
L<sub>dm</sub> = median deviation of average logarithm in db below mean power  
\*Signal contamination at 5 megacycles

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Fall ( Mar. Apr. May ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	117	5	9			120	4	9			118	4	9			118	6	10				120	5	9			119	6	13		
.113	92	3	3			92	4	2			91	4	2			92	2	4				93	4	4			92	5	5		
.246	72	9	6			73	9	6			72	5	5			72	6	5				75	6	6			72	7	5		
.545	53	6	4			54	5	3			53	7	3			54	6	7				54	6	5			53	7	4		
2.5	24	8	5			24	9	5			24	10	5			24	6	5				25	10	6			24	10	6		
5	29	9	7			23	8	5			21	6	3			24	6	4				27	11	7			30	10	10		
10	17	7	7			12	7	8			12	4	6			13	7	6				18	7	6			19	6	6		
20	20	2	2			20	2	2			20	3	2			20	3	2				20	2	2			20	2	2		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power







# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Summer ( Dec. Jan. Feb. ) 1958-59

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.051	117	4	8			116	4	8			115	4	10			116	3	10				119	4	9						
.113	91	3	5			90	3	5			91	4	5			91	3	5				91	3	5						
.246	75	4	2			75	3	2			76	3	3			76	4	3				78	4	3						
.545	59	4	4			57	4	3			59	4	4			60	4	5				59	5	4						
2.5	24	7	3			24	6	3			23	6	3			23	7	3				23	9	4						
5	19	10	4			18	7	4			17	7	2			18	9	2				23	9	7						
10	20	5	6			17	5	6			14	5	4			20	6	5				22	6	6						
20	18	3	1			18	2	2			18	3	1			19	3	2				20	4	2						

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Winter ( \*\*\* ) Aug. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.013	156	2	3			155	3	2			151	4	4			150	4	6			155	3	4								
.051	121	7	4			118	7	4			112	11	6			113	12	6			122	9	7								
.160	90	12	8			82	15	9			61	19	4			60	20	3			72	25	13								
.545	68	15	12			58	11	7			50	6	4			50	5	4			57	14	6								
2.5	52	12	6			44	8	6			25	7	4			24	5	4			33	10	6								
5	51	6	4			47	5	5			24	7	6			23	5	6			39	8	8								
10	41	3	2			38	4	3			20	7	5			20	8	6			36	5	5								
20	24	2	0			24	1	2			20	5	2			22	4	2			26	4	2								

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\*\*No June or July data

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Spring ( Sept. Oct. Nov. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.013	157	3	2			155	2	3			151	4	4			154	6	5				156	4	5			156	4	4		
.051	130	4	6			123	6	5			116	9	8			122	8	9				124	12	8			129	7	6		
.160	105	7	10			87	16	9			72	24	10			85	24	17				94	21	15			104	11	8		
.545	83	9	10			59	14	5			52	12	5			53	22	6				66	22	9			86	12	9		
2.5	59	9	8			45	9	8			28	10	7			25	14	6				42	14	12			61	10	9		
5	55	7	6			44	7	6			25	9	6			25	10	9				44	11	10			58	5	8		
10	45	4	4			40	5	4			22	11	5			26	12	7				44	6	6			45	4	4		
20	24	6	2			24	2	2			20	4	2			22	5	2				27	10	3			27	11	3		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Summer ( Dec. Jan. Feb. ) 19 58-59

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
.013	161	4	4	10.5	16.0	158	4	3	11.5	18.5	155	5	5	14.0	22.0	159	6	6	11.0	16.5	162	4	5	8.5	14.5	162	5	5	9.0	17.0					
.051	136	5	6	10.5	17.5	128	6	6	11.5	13.5	123	7	9	14.5	13.5	130	8	8	9.5	10.5	132	10	6	7.0	9.5	137	5	6	8.5	14.0					
.160	112	7	7	9.0	17.5	95	14	10	11.0	18.5	85	17	13	13.5	21.0	97	15	14	9.0	16.5	105	14	12	7.0	13.0	115	6	8	7.0	14.0					
.545	90	8	9	8.5	17.5	65	12	7	5.0	15.0	55	10	5	3.0	15.5	55	23	6	3.5	15.0	68	21	8	4.5	12.5	92	7	10	7.0	15.0					
2.5	63	9	8			48	9	8			24	7	4			21	17	3			40	20	8			67	7	8							
5	57	6	5			47	6	6			26	5	6			23	9	7			43	9	7			60	5	6							
10	45	4	3			40	6	3			24	7	5			26	7	6			42	5	5			47	4	4							
20	23	2	2			22	3	1			21	3	2			22	4	3			25	4	3			25	4	2							

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power





# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station ENKOPING, SWEDEN Lat. 59.5 N Long. 17.3 E Season SUMMER ( JUNE JULY AUG ) 1958

TIME BLOCKS (LST)																																			
0000 - 0400						0400 - 0800						0800 - 1200						1200 - 1600						1600 - 2000						2000 - 2400					
Frequency (Mc)	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>d<sub>m</sub></sub>	L <sub>d<sub>m</sub></sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>d<sub>m</sub></sub>	L <sub>d<sub>m</sub></sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>d<sub>m</sub></sub>	L <sub>d<sub>m</sub></sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>d<sub>m</sub></sub>	L <sub>d<sub>m</sub></sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>d<sub>m</sub></sub>	L <sub>d<sub>m</sub></sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>d<sub>m</sub></sub>	L <sub>d<sub>m</sub></sub>					
.051	126	6	7			118	8	9			122	7	8			128	5	7				128	6	6											
.113																																			
.246	86	10	8			71	14	8			79	14	11			93	14	12				91	9	8											
.545	64	7	4			56	6	4			59					60						64	10	4											
2.5	61					38					31					37						47													
5	60					41					25					35						47													
10	47					41					33					38						46													
20	22					22					24					26						26													

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enköping, Sweden Lat. 59.5 N Long. 17.3 E Season Fall ( Oct. Nov. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>		F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	116	6	6				114	5	7				104	7	8					105	8	9				110	8	5				116	5	7		
.113																																				
.246	80	5	7				75	6	7				78	10	8					87	7	9				93	9	8				94	10	9		
.545	73	6	6				71	8	8				59	11	5					64	10	7				84	8	10				87	8	6		
2.5	46	8	7				42	8	9				40	4	12					46	5	6				50	7	8				49	6	6		
5	49	6	6				45	6	6				25	8	6					26	9	5				43	5	7				50	4	6		
10	38	5	3				38	5	5				34	4	7					35	6	4				42	6	6				41	8	5		
20	21	2	1				23	2	2				27	6	4					31	6	7				25	4	2				22	2	1		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power















# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Fall (Sept.      Oct.      Nov. 19 58)

## TIME BLOCKS (LST)

TIME BLOCKS (LST)																														
Frequency (Mc)	0000 - 0400					0400 - 0800					0800 - 1200					1200 - 1600					1600 - 2000					2000 - 2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.135	109	7	4			104	10	5			96	14	4			97	17	6			100	17	5			110	10	4		
.500	84	8	6			69	11	5			57	9	3			58	11	4			65	13	6			82	10	6		
2.5	63	10	7			51	9	6			31	5	5			30	7	4			47	10	5			61	8	6		
5	57	6	4			49	6	4			31	5	2			28	7	3			48	8	5			58	5	6		
10	44	4	5			40	6	5			32	6	4			34	6	4			44	5	4			45	5	4		
20	25	2	1			25	2	2			28	2	2			29	3	2			32	2	2			28	2	2		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power











# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Fall ( Sept. Oct. Nov. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	136	5	5			130	7	6			124	9	7			136	7	6				143	7	6			140	8	5		
.113	112	6	6			109	12	10			103	16	12			121	10	11				128	9	7			126	8	6		
.246	107	7	6			87	12	10			79	21	12			102	15	14				112	10	11			110	11	8		
.545	89	9	7			69	16	11			61	20	10			82	20	14				93	14	10			92	10	6		
2.5	67	9	5			56	17	9			47	28	13			56	20	17				69	12	10			71	9	6		
5	60	4	4			53	7	8			34	14	7			44	12	10				61	7	5			63	4	5		
10	45	4	3			39	6	4			29	7	7			39	6	7				47	4	3			46	6	4		
20	32	6	4			29	8	3			28	9	5			34	10	3				31	14	4			30	5	3		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

## SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E  
Season Winter ( Dec.      Jan.      ) 19 58-59  
\*\*\*

TIME BLOCKS (LST)																													
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>				
051	135	10	5			132	11	9			128	14	12			130	10	10			137	6	11			136	7	6	
113	126	10	8			122	12	11			117	12	15			117	12	14			128	9	16			127	9	8	
246	102	12	11			96	14	17			86	19	15			88	17	19			101	8	17			102	11	9	
545	90	14	14			80	16	15			68	16	12			72	22	16			86	10	14			89	10	11	
2.5	61	9	16			56	15	16			43	22	15			47	28	16			61	11	8			63	12	18	
5	54	7	13			54	8	14			35	9	12			41	18	11			58	8	8			57	7	8	
10	41	6	10			38	8	10			29	18	10			34	10	11			44	6	6			43	7	11	
20	30	10	4			29	10	4			30	7	6			30	12	6			31	6	5			32	8	6	

$F_{\text{eff}}$  = median value of effective antenna noise in db above ktb

$D_{11}$  = ratio of upper decile to median in db

$D_{\phi}$  = ratio of median to lower decile in db

$V_{adm}$  = median deviation of average voltage in db below mean power

WM = median deviation of average coverage in dB below mean power  
L<sub>dm</sub> = median deviation of average logarithm in dB below mean power

\*No  $D_{11}$  and  $D_{10}$  for January.

\*\*\*No February data.







# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha(Kauai), T. H. Lat. 22.0 N Long. 159.7 W Season Fall ( Sept. Oct. Nov. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.013	154	4	4	11.0	17.5	154	3	3	11.0	17.5	150	4	3	10.5	16.5	149	4	4	12.0	19.0	148	3	3	4	12.0	19.0	152	4	3	10.5	17.0
.051	130	4	4	11.5	19.0	128	4	5	11.5	19.5	111	8	6	12.0	19.0	111	8	9	12.5	19.5	110	9	9	6	11.0	17.0	123	7	5	12.0	19.0
.160	105	9	6	13.0	18.5	95	9	7	13.0	20.5	72	17	11	10.5	15.0	70	16	10	7.0	9.5	77	14	8	8	8.5	13.0	98	11	10	12.5	20.5
.545	82	10	7	12.0	20.0	70	10	6	9.5	17.0	56	10	4	5.0	8.0	56	11	4	5.0	8.5	62	11	6	6	6.0	9.5	79	11	9	10.5	17.0
2.5	55	7	5	6.5	11.5	51	7	5	6.5	10.5	36	7	6	3.0	5.0	33	5	5	3.0	5.0	39	6	7	3.5	5.5	53	8	6	7.5	12.0	
5	60	6	6	5.5	10.5	47	6	5	6.5	11.5	26	5	4	5.0	8.5	24	4	4	4.5	7.0	40	6	7	7.0	11.5	53	5	5	6.0	10.5	
10	41	4	3	5.0	9.0	38	4	3	4.5	8.0	25	6	4	8.0	12.5	22	6	4	8.0	11.5	38	4	4	4	5.5	9.5	42	3	3	5.0	9.5
20	25	3	1	2.0	4.0	24	3	1	2.0	4.0	22	4	3	3.5	6.0	21	4	2	2.5	4.5	27	4	2	2	3.0	5.5	27	6	2	3.0	5.5

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, (Kauai) T. H. Lat. 22.0 N Long. 159.7 W Season Winter ( Dec. Jan. Feb. ) 1958-59

TIME BLOCKS (LST)																																				
0000 - 0400						0800 - 1200						1200 - 1600						1600 - 2000						2000 - 2400												
Frequency (Mc)	F <sub>am</sub>		D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>		D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>						
.013	155		3	3	95	155	156		2	3	100	165	150		3	4	120	180	149		3	4	140	210	148		4	4	125	195	153		3	4	90	150
.051	129		5	4	100	165	129		4	3	110	180	113		11	8	140	210	109		12	7	150	225	108		13	8	130	190	122		8	6	115	175
.160	101		11	6	100	170	98		11	6	105	180	74		21	12	115	195	70		22	10	130	220	80		17	13	110	180	95		12	9	125	215
.545	79		13	8	105	175	72		12	7	90	155	56		13	5	65	115	54		14	5	70	115	63		14	7	115	125	77		13	9	95	155
2.5	56		9	5	70	115	55		8	6	75	120	36		11	5	30	50	31		7	3	30	45	36		11	5	35	55	52		10	7	75	120
5	60		6	6	50	95	49		7	4	60	95	30		7	4	55	85	26		6	4	60	90	41		6	5	70	135	54		5	4	55	100
10	41		4	3	40	70	38		5	4	40	65	31		7	5	70	115	24		7	5	90	135	38		5	4	70	110	42		4	3	50	85
20	24		2	1	20	35	24		1	1	25	30	20		4	2	35	55	20		4	2	30	50	24		4	2	30	5	26		4	2	25	45

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6 N

Long. 140.5 E

Season Summer ( June July Aug. )

58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>
.013	154	4	3		153	4	3		150	6	6		152	7	4		155	5	3		154	3	3	
.051	130	5	4		122	8	5		120	14	10		124	14	6		124	11	6		129	6	5	
.160	107	7	7		92	13	12		88	20	13		90	25	10		91	25	9		106	8	6	
.545	79	11	8		68	12	7		66	22	4		67	24	7		70	24	6		82	10	7	
2.5	57	7	7		42	9	6		28	10	3		29	23	3		39	17	5		55	6	8	
5	54	4	6		40	6	6		26	9	2		27	19	4		43	10	9		64	9	7	
10	44	3	3		37	4	4		23	11	4		26	10	5		41	4	5		45	4	3	
20	23	4	2		22	4	2		20	8	2		24	8	3		27	8	4		25	5	2	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Fall ( Sept. Oct. Nov. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.013	152	4	3			151	4	4			150	5	4			150	5	4			151	6	3			152	5	2			
.051	130	6	4			123	9	6			115	10	6			118	10	7			121	10	7			130	6	5			
.160	108	7	6			93	15	10			84	19	12			84	19	11			94	16	10			105	10	6			
.545	82	10	8			74	14	6			70	12	5			71	12	5			84	12	7			95	7	6			
2.5	53	10	7			45	10	5			32	13	3			32	12	3			45	13	5			49	10	6			
5	53	8	8			52	8	9			30	8	4			33	8	5			61	9	9			68	10	8			
10	42	5	5			39	5	5			30	10	6			32	8	6			44	4	4			44	6	4			
20	23	2	2			23	3	2			22	5	3			24	6	3			27	6	3			25	6	3			

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

## SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E  
Season Winter ( Dec. Jan. Feb. ) 19 58 - 59

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	152	4	2	11.0	16.0	152	4	3	12.0	17.5	148	3	4	14.0	20.0	149	3	5	13.5	19.5	151	3	4	11.5	16.5	153	4	3	11.0	16.0
.051	130	5	5	12.0	18.5	123	7	5	13.5	19.5	108	12	4	15.0	20.0	112	8	7	13.0	16.0	117	11	6	11.5	17.0	129	6	4	11.0	16.5
.160	105	9	6	11.0	17.5	93	12	7	12.5	18.0	76	19	6	10.0	11.5	75	17	6	8.0	10.0	98	16	7	11.5	14.5	102	11	7	12.0	18.5
.545	81	10	5	10.0	15.5	77	9	5	9.0	14.0	71	6	4	8.0	12.5	72	7	4	8.0	12.0	83	8	6	9.5	13.5	90	9	7	9.0	13.5
2.5	50	11	5	7.0	11.0	45	11	5	8.0	9.0	32	4	3	4.5	6.5	32	5	3	4.5	6.5	44	10	4	6.0	8.5	50	11	5	5.0	8.0
5	51	8	5	6.0	10.0	57	8	8	7.5	12.5	30	7	4	8.0	11.0	32	6	5	7.0	10.0	64	7	8	8.0	13.5	69	10	8	7.5	12.5
10	47	9	5	4.0	7.0	40	8	4	4.5	6.5	34	9	6	6.5	8.0	34	6	4	5.5	7.5	50	6	5	4.5	7.5	52	6	7	4.0	7.5
20	24	2	1	1.5	3.0	24	3	1	2.0	3.5	24	4	2	3.0	5.0	24	4	2	3.0	5.0	28	5	3	3.0	5.0	24	3	1	2.5	4.0

$F_{\text{qm}}$  = median value of effective antenna noise in db above ktb

$D_u$  = ratio of upper decile to median in db

$D_L$  = ratio of median to lower decile in db

$V_{dm}$  = median deviation of average voltage in db below mean power

$L_{dm}$  = median deviation of average logarithm in db below mean power



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Summer ( \*\*\* Feb. ) 1957-58

TIME BLOCKS (LST)																														
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
.051	130					122					112					140					144					134				
.113	114					96					85					126					134					119				
.246	104					86					74					109					121					104				
.545																														
2.5	62					52					37					60					79					68				
5	53					46					26					47					62					56				
10	41					38					21					32					50					44				
20	27					26					24					28					41					30				

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\*\*\* Only 5 days data available during this season.

No December or January data.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Fall ( Mar. Apr. May ) 19 58

TIME BLOCKS (LST)																														
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.051	132	6	8			127	6	9			118	16	12			126	12	9			130	13	10			133	6	8		
.113	116	11	10			108	12	12			96	21	14			104	21	17			114	16	19			117	10	11		
.246	104	8	11			90	12	8			78	20	3			88	22	13			99	14	16			104	12	9		
.545	790	16	75			76	12	8			61	14	2			63	22	6			80	15	11			789	19	>6		
2.5	66	9	9			56	16	8			40	14	3			44	18	8			58	14	13			69	8	12		
5	56	9	10			50	11	10			28	16	5			30	20	8			51	12	16			58	9	12		
10	42	4	4			40	5	5			26	13	6			31	12	11			45	6	8			45	6	5		
20	28	3	4			28	3	3			25	6	4			28	7	5			33	5	3			30	4	3		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station PRETORIA, S.AFRICA Lat. 25.8 S Long. 28.3 E Season WINTER (JUNE JULY AUG ) 1958

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub> L <sub>dm</sub>
.051	122	10	5		119	10	6		107	15	7		113	10	7		116	10	7		122	10	6	
.113	105	11	8		96	14	8		80	21	6		81	22	7		89	18	9		102	11	7	
.246	95	11	9		90	9	8		84	8	10		84	9	7		86	9	8		92	12	8	
.545	84	10	8		69	10	7		58	5	3		58	5	2		66	12	5		81	13	6	
2.5	58	6	8		51	7	8		39	4	4		40	3	3		46	8	5		57	7	7	
5	48	8	4		45	6	6		27	6	5		25	7	4		40	9	7		48	7	4	
10	33	6	3		32	7	4		24	7	5		24	7	5		38	5	4		37	4	3	
20	26	0	2		26	3	2		22	4	3		23	4	2		28	3	2		26	1	2	

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Spring ( Sept. Oct. Nov. ) 19 58

TIME BLOCKS (LST)																														
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
.051	134	9	8			126	10	8			123	12	13			132	13	10			136	12	11			136	13	8		
.113	118	12	10			107	14	15			101	18	22			116	17	22			122	14	22			120	17	10		
.246	102	14	8			87	17	12			79	21	11			98	20	25			102	16	20			105	17	11		
.545	93	11	8			68	16	7			60	24	6			79	24	24			85	20	18			95	14	9		
2.5	63	11	7			51	10	6			42	10	6			44	17	10			57	16	10			68	10	7		
5	56	8	6			47	7	8			30	11	5			34	20	9			53	11	12			60	8	8		
10	44	6	4			40	4	5			27	11	8			34	10	11			47	6	7			48	6	6		
20	27	17	2			26	13	2			24	6	1			28	6	2			34	5	3			31	6	3		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power









# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Fall ( Oct. Nov. ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.051	131	3	4			128	6	2			117						124	17	5			129	8	5						
.113																														
.246	102	5	7			93	8	4			80						92	16	14			102	10	9						
.545	86					78					63						80					90								
2.5	58	6	6			50	10	6			59						56	16	8			60	6	6						
5	54	6	4			50	5	7			28						52	10	6			53	6	4						
10	46	3	4			44					36						50	6	6			50								
20	31					30					36						35					34								

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Winter ( Dec. Jan. Feb. ) 19 58-59

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400			0400-0800			0800-1200			1200-1600			1600-2000			2000-2400		
	F <sub>am</sub>	D <sub>u</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub> V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub> V <sub>dm</sub> L <sub>dm</sub>
.051	126	5	6	125	7	5	110	8	8	110	9	9	111	10	7	123	5	5
* .113																		
.246	95	6	9	89	9	9	78	12	6	78	9	5	82	14	6	92	7	7
.545	82	6	9	75	9	8	62	12	6	62	14	7	74	12	8	84	4	9
2.5	57	5	9	55	8	10	42	12	5	42	8	5	50	9	8	58	6	8
5	63	5	7	56	6	7	32	12	4	28	14	8	49	6	8	54	4	6
10	47	4	7	45	4	6	40	9	10	41	9	9	49	10	6	48	9	7
20	30	8	3	31	6	4	34	10	3	34	7	3	35	7	4	32	6	4

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

\* Signal contamination at 0.113 megacycles



## SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

São José, Brazil  
 Station \_\_\_\_\_  
 Lat. 23.3 S Long. 45.8 W  
 Season \_\_\_\_\_ ( Mar. Apr. May ) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400			
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub> L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub> L <sub>dm</sub>
051	132	12	6		129				124	8	16		127	9	15		131	14	12		131	9	8	
113	120	14	8		111				104	10	28		108	13	22		113	15	14		118	12	10	
246	103	14	14		93				84	7	10		85	16	8		101	14	12		101	14	9	
545	87				79				78	7	6		76	13	9		84	14	10		89	7	8	
2.5	58				52				38	10	10		36	18	7		52	12	9		60			
5	53				54				37	4	7		34	4	8		54	4	7		60			
10	40				38				29	6	4		28	6	6		44	8	5		42			
20	29				27				26	5	4		31	13	6		39	16	8		34			

$F_{am}$  = median value of effective antenna noise in db above ktb

$D_u$  = ratio of upper decile to median in db

$D_L$  = ratio of median to lower decile in db

$V_{dm}$  = median deviation of average voltage in db below mean power

$L_{dm}$  = median deviation of average logarithm in db below mean power



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Fall (Sept. Oct. Nov.) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000 - 0400					0400 - 0800					0800 - 1200					1200 - 1600					1600 - 2000					2000 - 2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.013	160	4	3			161	4	4			156	9	10			160	10	7				162	5	6			161	5	4		
.051	141	3	6			136	7	7			130	12	9			136	10	8				139	4	6			141	4	5		
.160	118	4	6			109	9	9			102	12	17			116	10	14				116	5	9			118	5	5		
.545	95	7	4			86	15	12			78	19	18			93	10	17				92	8	7			93	6	6		
2.5	60	7	15			47	10	10			48	19	12			55	18	19				59	10	10			63	9	12		
5	55	6	12			48	8	8			34	15	12			43	12	15				53	6	9			57	8	11		
10	45	3	6			41	6	5			28	7	8			35	7	9				42	4	6			45	4	7		
20	29	6	2			27	4	2			23	9	5			27	8	5				28	7	3			30	10	2		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Winter ( Dec. Jan. Feb. ) 1958-59

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
013	159	4	3			157	4	3			152	4	5			156	4	4				157	3	4			159	3	4		
051	137	5	4			133	5	5			125	6	8			130	7	6				136	4	8			138	5	6		
160	116	5	5			106	7	8			95	10	11			104	11	9				110	6	8			115	5	7		
545	88	4	8			72	10	8			67	8	6			76	12	10				84	7	9			89	6	8		
25	62	6	7			55	7	9			38	6	5			33	15	5				53	7	10			62	6	7		
5	58	4	4			52	6	5			38	5	4			36	11	6				52	6	4			60	4	4		
10	47	4	3			43	4	3			28	8	5			31	6	7				45	3	3			47	4	3		
20	28	2	2			26	3	1			24	3	2			25	4	2				28	2	2			29	2	3		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

Thule, Greenland  
Station \_\_\_\_\_ Lat. 76.6 N Long. 68.7 W  
Season Spring ( \*\*\* Apr.      May 1958 )

$\bar{E}_{am}$  = median value of effective antenna noise in db above ktb  
 $\bar{D}_{u1}$  = ratio of upper decile to median in db  
 $\bar{D}_{l1}$  = ratio of median to lower decile in db  
 $\bar{V}_{am}$  = median deviation of average voltage in db below mean power  
 $\bar{L}_{am}$  = median deviation of average logarithm in db below mean power

\*\*\*No March data

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 N Season Summer (June July August) 19 58

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	
.051	117	5	6			115	6	7			113	5	6			114	4	6				116	14	6			117	5	6		
.113	98	6	8			98	10	10			94	9	6			96	10	8				96	7	7			97	6	6		
.246	72	14	6			73	14	9			71	12	8			72	12	8				71	14	7			72	14	6		
.545	60	15	8			58	16	8			57	12	9			59	13	9				58	12	9			59	14	9		
2.5	41	17	10			40	16	12			38	20	7			38	16	8				39	16	9			40	15	12		
5	36	17	15			31	17	15			31	14	14			31	16	12				30	20	12			35	19	12		
10	24	8	6			18	11	8			15	12	6			16	11	6				21	8	8			25	7	8		
20	22	11	5			23	10	6			23	12	6			21	10	4				22	8	5			22	10	5		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power



# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Fall ( Sept. Nov. ) 19 58

TIME BLOCKS (LST)																														
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>ℓ</sub>	V <sub>dm</sub>	L <sub>dm</sub>					
.051	123	5	4			122	5	5			122	5	4			123	5	5			124	4	4							
.113	115	3	9			114	5	9			111	8	6			112	7	6			115	4	8							
.246	88	5	7			88	6	6			87	6	6			87	6	7			88	5	8							
.545	80	5	6			78	6	6			78	5	5			78	6	5			80	6	7							
2.5	53	10	6			52	8	8			51	11	8			51	13	6			53	6	7							
5	47	7	7			45	9	7			44	20	6			42	12	5			47	8	8							
10	29	6	4			29	6	6			24	11	5			29	4	4			31	4	6							
20	26	8	5			26	11	6			26	7	6			25	4	4			26	7	5							

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>ℓ</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Winter ( Dec. Jan. Feb. ) 1958 - 59

## TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.051	122	4	4			122	3	4			122	3	3			122	4	4			122	3	4			122	3	4		
.113	117	4	5			115	5	5			116	5	5			118	4	8			117	4	6			118	4	6		
.246	94	6	4			93	6	5			94	4	4			93	6	5			93	5	6			94	5	5		
.545	84	6	5			83	6	5			84	4	4			84	5	4			84	6	5			84	6	5		
2.5	61	2	4			60	2	4			59	4	3			61	3	4			59	3	2			60	4	4		
5	47	4	3			47	4	4			47	6	2			47	5	4			47	3	3			47	4	2		
10	26	3	4			26	4	5			26	3	4			26	4	4			26	4	4			27	3	7		
20	25	4	4			25	3	3			25	5	3			26	4	3			25	3	3			25	4	3		

F<sub>am</sub> = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

D<sub>l</sub> = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

L<sub>dm</sub> = median deviation of average logarithm in db below mean power







U.S. DEPARTMENT OF COMMERCE

Frederick H. Mueller, *Secretary*

NATIONAL BUREAU OF STANDARDS

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## THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

### WASHINGTON, D.C.

**Electricity and Electronics.** Resistance and Reactance. Electron Devices. Electrical Instruments. Magnetic Measurements. Dielectrics. Engineering Electronics. Electronic Instrumentation. Electrochemistry.

**Optics and Metrology.** Photometry and Colorimetry. Photographic Technology. Length. Engineering Metrology.

**Heat.** Temperature Physics. Thermodynamics. Cryogenic Physics. Rheology. Molecular Kinetics. Free Radicals Research.

**Atomic and Radiation Physics.** Spectroscopy. Radiometry. Mass Spectrometry. Solid State Physics. Electron Physics. Atomic Physics. Neutron Physics. Radiation Theory. Radioactivity. X-rays. High Energy Radiation. Nucleonic Instrumentation. Radiological Equipment.

**Chemistry.** Organic Coatings. Surface Chemistry. Organic Chemistry. Analytical Chemistry. Inorganic Chemistry. Electrodeposition. Molecular Structure and Properties of Gases. Physical Chemistry. Thermochemistry. Spectrochemistry. Pure Substances.

**Mechanics.** Sound. Mechanical Instruments. Fluid Mechanics. Engineering Mechanics. Mass and Scale. Capacity, Density, and Fluid Meters. Combustion Controls.

**Organic and Fibrous Materials.** Rubber. Textiles. Paper. Leather. Testing and Specifications. Polymer Structure. Plastics. Dental Research.

**Metallurgy.** Thermal Metallurgy. Chemical Metallurgy. Mechanical Metallurgy. Corrosion. Metal Physics.

**Mineral Products.** Engineering Ceramics. Glass. Refractories. Enameled Metals. Constitution and Microstructure.

**Building Technology.** Structural Engineering. Fire Protection. Air Conditioning, Heating, and Refrigeration. Floor, Roof, and Wall Coverings. Codes and Safety Standards. Heat Transfer. Concreting Materials.

**Applied Mathematics.** Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics.

**Data Processing Systems.** SEAC Engineering Group. Components and Techniques. Digital Circuitry. Digital Systems. Analog Systems. Application Engineering.

• Office of Basic Instrumentation.

• Office of Weights and Measures.

### BOULDER, COLORADO

**Cryogenic Engineering.** Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Gas Liquefaction.

**Radio Propagation Physics.** Upper Atmosphere Research. Ionospheric Research. Regular Propagation Services. Sun-Earth Relationships. VHF Research. Radio Warning Services. Airglow and Aurora. Radio Astronomy and Arctic Propagation.

**Radio Propagation Engineering.** Data Reduction Instrumentation. Modulation Research. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation Obstacles Engineering. Radio-Meteorology. Lower Atmosphere Physics.

**Radio Standards.** High Frequency Electrical Standards. Radio Broadcast Service. High Frequency Impedance Standards. Electronic Calibration Center. Microwave Physics. Microwave Circuit Standards.

**Radio Communication and Systems.** Low Frequency and Very Low Frequency Research. High Frequency and Very High Frequency Research. Ultra High Frequency and Super High Frequency Research. Modulation Research. Antenna Research. Navigation Systems. Systems Analysis. Field Operations.



